

# Converting Colors

XYZ(84.5714, 91.2011,  
102.5050)

Have a look what the booklet for  
XYZ(84.5714, 91.2011, 102.5050)  
contains.

<b>XYZ(84.6206, 91.0232, 102.7318)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(84.6206, 91.0232,  
102.7318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF7F9
RGB	235, 247, 249
RGB Percent	92%, 97%, 98%
CMY	0.0784, 0.0314, 0.0235
CMYK	0.06, 0.01, 0.00, 0.02
HSL	189°, 54%, 95%
HSV	189°, 6%, 98%
XYZ	84.6206, 91.0232, 102.7318
YIQ	243.6400, -7.7940, -1.9220

# Conversions

## Conversions Part 2

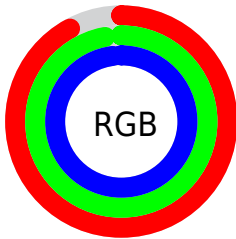
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 241, 249
Decimal	15464441
CIE Lab	96.42, -3.56, -2.33
CIE LCh	96, 4.259, 213.226
Yxy	91.0232, 0.3040, 0.3270
Android (android.graphics.Color)	4293654521 (0xFFEBF7F9)
YUV	243.6400, 2.6425, -7.5773
Hunter-Lab	95.4061, -8.6397, 2.9417

# Details

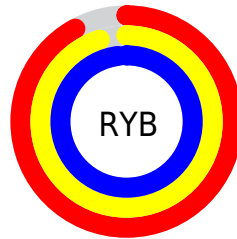
The XYZ color **84.6206, 91.0232, 102.7318** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3469, 86.7057, 90.8891**, and the grayscale version is **85.6876, 90.1501, 98.1734**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8468, 50.6956, 57.7682** is the 20% darker color. If you saturate the color by 10%, you get **75.8934, 84.9301, 102.0171**, and if you desaturate by 10%, it is **92.6978, 96.8170, 103.4258**.

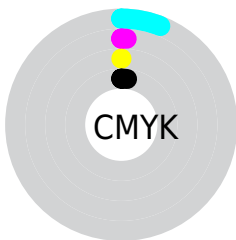
# Distribution



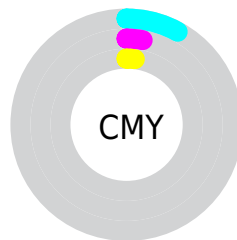
- Red (92%)
- Green (97%)
- Blue (98%)



- Red (92%)
- Yellow (95%)
- Blue (98%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)



- Cyan (8%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6206, 91.0232, 102.7318 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 84.6206, 91.0232, 102.7318 by changing the saturation by 10% instead.



84.6206, 91.0232,  
102.7318

84.6206, 91.0232,  
102.7318

498.8744,  
531.3537, 590.2373

63.8494, 68.8296,  
77.9544

138.7597,  
148.7589, 166.9908

46.7899, 50.5729,  
57.5203

172.8584,  
185.0697, 207.3094

33.0769, 35.8689,  
41.0110

212.1302,  
226.8551, 253.6455

22.3448, 24.3329,  
28.0079

256.9405,  
274.4993, 306.4177

14.2285, 15.5808,  
18.0925

307.6548,  
328.3870, 366.0444

8.3625, 9.2280,  
10.8463

364.6383,

4.3815, 4.8902,

388.9023, 432.9442

5.8507

428.2564,  
456.4297, 507.5357

■ 1.9202, 2.1830,  
2.6872

■ 0.5885, 0.7107,  
0.9370

■ 84.6206, 91.0232,  
102.7318

■ 84.6206, 91.0232,  
102.7318

■ 75.8934, 84.9301,  
102.0171

■ 92.6978, 96.8170,  
103.4258

■ 68.2874, 79.4430,  
101.3588

■ 93.8148, 99.0509,  
103.7981

■ 61.7542, 74.5393,  
100.7567

■ 94.0992, 99.6197,  
103.8929

■ 56.2388, 70.1905,  
100.2080

■ 51.6814, 66.3656,  
99.7099

■ 48.0157, 63.0302,  
99.2593

■ 45.1669, 60.1455,  
98.8526

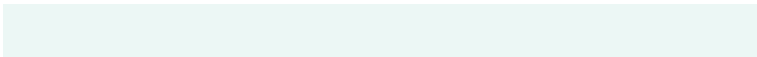
■ 43.0474, 57.6664,  
98.4858

■ 41.5492, 55.5369,  
98.1538

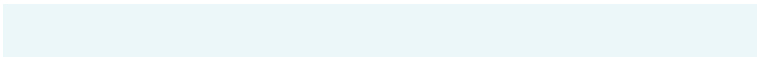
# Harmonies

## Analogous

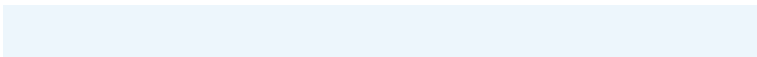
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2572, 91.0232, 99.4769



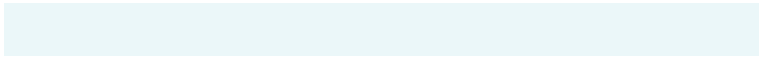
84.6206, 91.0232, 102.7318



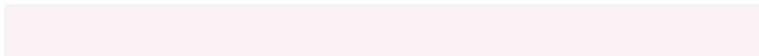
85.4913, 91.0232, 105.0566

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6206, 91.0232, 102.7318



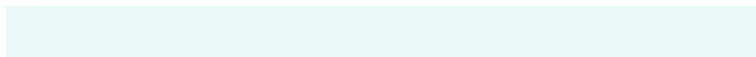
88.5674, 91.0232, 102.0810



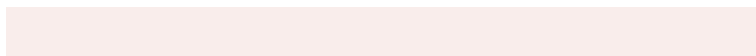
86.3865, 91.0232, 92.7282

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



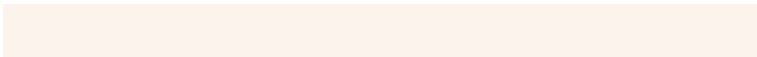
84.6206, 91.0232, 102.7318



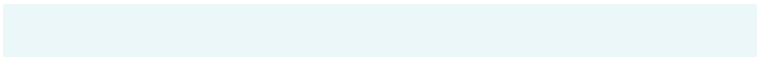
84.3469, 86.7057, 90.8891

# Split Complementary

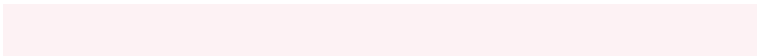
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5465, 91.0232, 93.3898



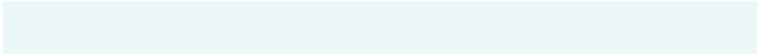
84.6206, 91.0232, 102.7318



88.8124, 91.0232, 98.7416

# Square

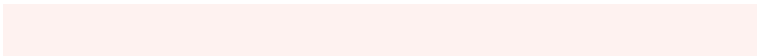
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6206, 91.0232, 102.7318



87.7708, 91.0232, 104.6748



88.4371, 91.0232, 95.5720

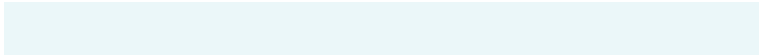


85.2709, 91.0232, 93.7436

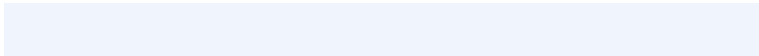


# Rectangle

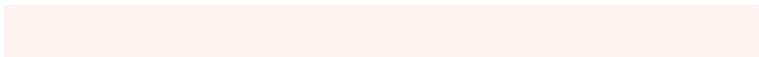
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



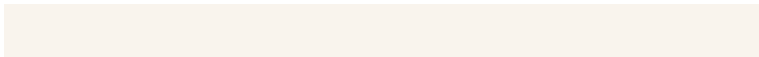
84.6206, 91.0232, 102.7318



86.2460, 91.0232, 105.7388



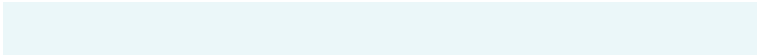
88.4371, 91.0232, 95.5720



86.7842, 91.0232, 92.7619

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84.6232, 91.0271, 102.7338



92.9670, 98.5824, 108.7362



83.4047, 91.5217, 93.2897



19.9206, 21.1156, 23.2757



0.0000, 0.0000, 0.0000

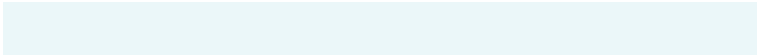


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6232, 91.0271, 102.7338



87.9786, 95.1571, 108.3379



82.5607, 86.9020, 102.0463



17.9109, 19.4176, 22.1893



22.0367, 29.4290, 52.4925



2.0969, 2.8375, 4.8804



# Inverse Universe

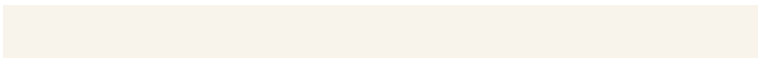
The Inverse Universe completely reimagines the original color for something new.



85.5658, 86.2736, 100.1428



89.2105, 88.9724, 104.9453



86.3743, 90.7606, 91.5649



18.1837, 18.0504, 21.4373



27.4151, 13.3818, 35.2241

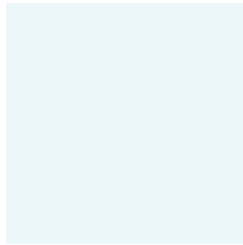


2.5674, 1.2507, 3.4111



# Previews

## White Background



This preview shows how the XYZ color 84.6206, 91.0232, 102.7318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

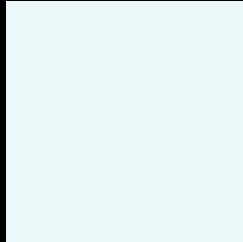
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.6206, 91.0232, 102.7318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

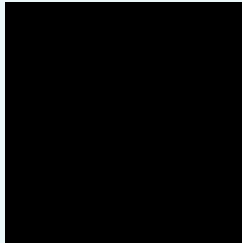
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

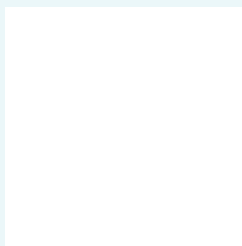
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.6206, 91.0232, 102.7318

## Background



This preview shows how black text looks on a background with the XYZ color 84.6206, 91.0232, 102.7318.



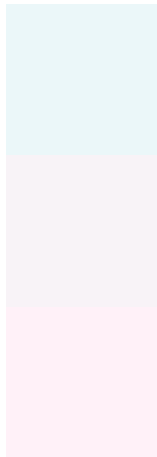
This preview shows how white text looks on a background with the XYZ color 84.6206, 91.0232,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.6206, 91.0232, 102.7318

### Protanopia

87.5505, 90.7730, 100.9022

### Deuteranopia

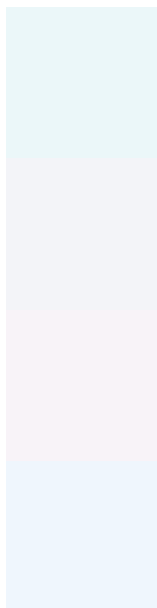
89.6386, 90.9479, 101.6372



## Tritanopia

86.9780, 91.2256, 107.6318

# Trichromacy



## Original Color

84.6206, 91.0232, 102.7318

## Protanomaly

86.2561, 90.5334, 101.7354

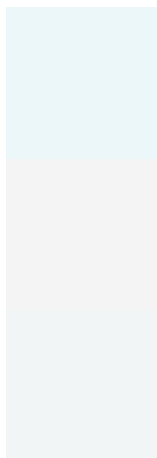
## Deuteranomaly

87.7053, 90.8350, 101.7173

## Tritanomaly

86.2820, 91.3541, 106.0141

# Monochromacy



## Original Color

84.6206, 91.0232, 102.7318

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.5626, 90.6594, 100.1782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.6206, 91.0232, 102.7318 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(235, 247, 249) looks like.

```
.text, #text, p{  
    color:rgb(235, 247, 249)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 247, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 247, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 84.6206, 91.0232, 102.7318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 247, 249) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 247, 249) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 247, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 247, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 247, 249);  
box-shadow:4px 4px 4px 4px rgb(235, 247,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.6206, 91.0232, 102.7318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 247, 249) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
247, 249) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor