

# Converting Colors

XYZ(84.9013, 91.5503,  
106.1247)

Have a look what the booklet for  
XYZ(84.9013, 91.5503, 106.1247)  
contains.

<b>XYZ(84.9013, 91.5503, 106.1247)</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(84.9013, 91.5503,  
106.1247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9F8FD
RGB	233, 248, 253
RGB Percent	91%, 97%, 99%
CMY	0.0863, 0.0274, 0.0078
CMYK	0.08, 0.02, 0.00, 0.01
HSL	195°, 83%, 95%
HSV	195°, 8%, 99%
XYZ	84.9013, 91.5503, 106.1247
YIQ	244.0850, -10.5450, -1.6250

# Conversions

## Conversions Part 2

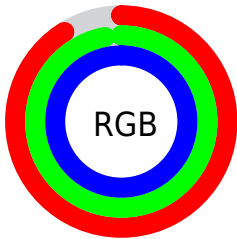
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 242, 253
Decimal	15333629
CIE Lab	96.64, -3.96, -4.10
CIE LCh	97, 5.701, 225.934
Yxy	91.5503, 0.3005, 0.3240
Android (android.graphics.Color)	4293523709 (0xFFE9F8FD)
YUV	244.0850, 4.3951, -9.7215
Hunter-Lab	95.6819, -9.0552, 1.2164

# Details

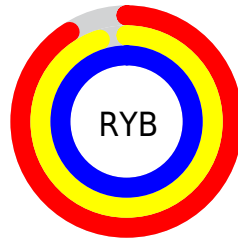
The XYZ color **84.9013, 91.5503, 106.1247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7909, 87.9143, 89.5398**, and the grayscale version is **86.0313, 90.5116, 98.5672**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9449, 51.0319, 59.6004** is the 20% darker color. If you saturate the color by 10%, you get **75.3171, 83.7758, 105.1306**, and if you desaturate by 10%, it is **94.5152, 99.4426, 107.1428**.

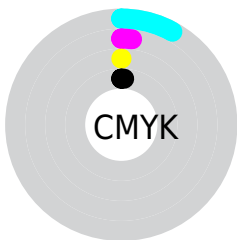
# Distribution



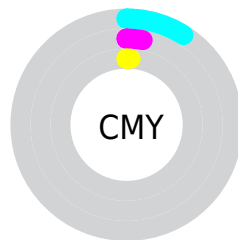
- Red (91%)
- Green (97%)
- Blue (99%)



- Red (91%)
- Yellow (95%)
- Blue (99%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (1%)



- Cyan (9%)
- Magenta (3%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9013, 91.5503, 106.1247 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 84.9013, 91.5503, 106.1247 by changing the saturation by 10% instead.



84.9013, 91.5503,  
106.1247

84.9013, 91.5503,  
106.1247

499.7900,  
533.0611, 601.0692

64.0821, 69.2672,  
80.7800

139.1500,  
149.4900, 171.6738

46.9791, 50.9293,  
59.8305

173.3102,  
185.9153, 212.7153

33.2270, 36.1524,  
42.8576

212.6480,  
227.8235, 259.8261

22.4605, 24.5519,  
29.4428

257.5289,  
275.5989, 313.4248

14.3141, 15.7435,  
19.1676

308.3182,  
329.6260, 373.9299

8.4226, 9.3428,  
11.6134

365.3813,

4.4206, 4.9655,

390.2891, 441.7600

6.3617

429.0834,  
457.9727, 517.3336

■ 1.9427, 2.2270,  
2.9939

■ 0.6015, 0.7347,  
1.0915

■ 84.9013, 91.5503,  
106.1247

■ 84.9013, 91.5503,  
106.1247

■ 75.3171, 83.7758,  
105.1306

94.5152, 99.4426,  
107.1428

■ 66.9293, 76.7119,  
104.2093

94.7299, 99.8720,  
107.2143

■ 59.6861, 70.3337,  
103.3599

■ 53.5287, 64.6098,  
102.5796

■ 48.3931, 59.5061,  
101.8652

■ 44.2078, 54.9849,  
101.2131

■ 40.8920, 51.0034,  
100.6193

■ 38.3501, 47.5114,  
100.0793

■ 36.4540, 44.4416,  
99.5867

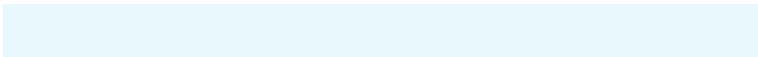
# Harmonies

## Analogous

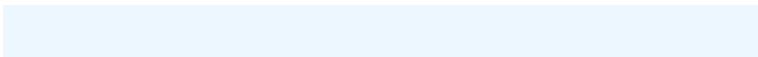
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.1014, 91.5503, 102.1123



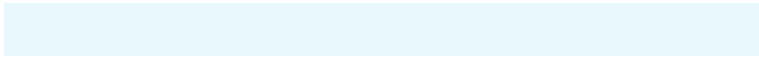
84.9013, 91.5503, 106.1247



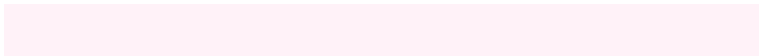
86.2730, 91.5503, 108.4432

# Triad

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



84.9013, 91.5503, 106.1247



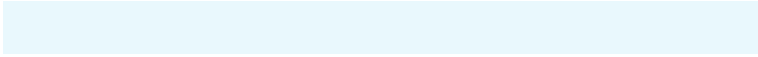
90.0232, 91.5503, 101.8315



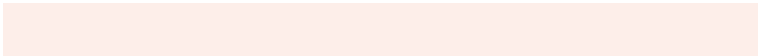
86.1770, 91.5503, 91.4772

# Complementary

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



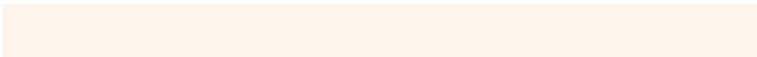
84.9013, 91.5503, 106.1247



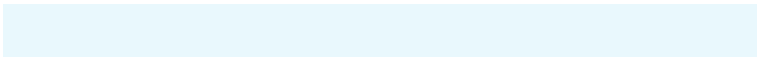
85.7909, 87.9143, 89.5398

# Split Complementary

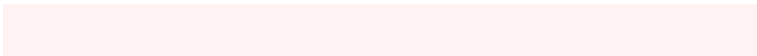
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7629, 91.5503, 91.4073



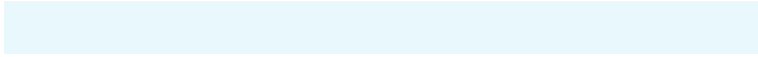
84.9013, 91.5503, 106.1247



89.9968, 91.5503, 97.2920

# Square

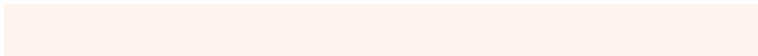
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9013, 91.5503, 106.1247



89.2370, 91.5503, 105.9138



89.1651, 91.5503, 93.5068

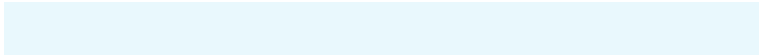


84.8318, 91.5503, 93.7010



# Rectangle

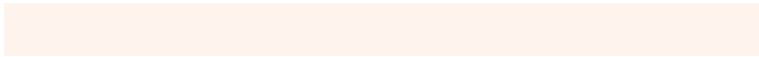
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9013, 91.5503, 106.1247



87.3331, 91.5503, 108.6720



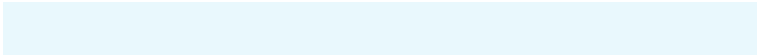
89.1651, 91.5503, 93.5068



86.6993, 91.5503, 91.2034

# Sweetspot

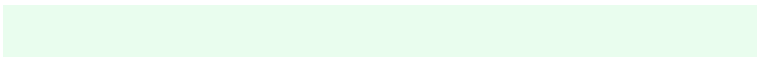
The Sweet Spot groups the original color and five complimentary colors.



84.9039, 91.5542, 106.1267



92.7934, 98.2353, 108.6783



84.1147, 93.7292, 94.2921



19.8853, 21.0450, 23.2640



0.0000, 0.0000, 0.0000

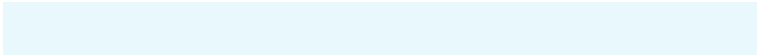


20.3446, 21.4041, 23.3091



# Same Dimension

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



84.9039, 91.5542, 106.1267



85.3032, 92.3006, 107.9276



82.0071, 85.7604, 105.1611



18.1480, 19.6677, 23.0897



19.3252, 23.5601, 52.9636



1.9681, 2.4669, 5.1857



# Inverse Universe

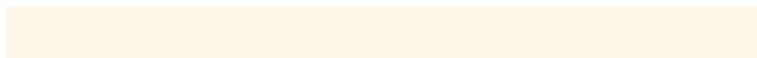
The Inverse Universe completely reimagines the original color for something new.



86.5923, 85.9396, 100.8356



87.2512, 85.8576, 101.8144



88.6825, 93.6974, 90.5036



18.5874, 18.2183, 21.7102



26.5427, 13.1064, 27.3060

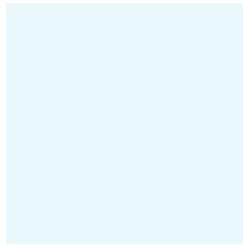


2.6280, 1.2936, 2.8885



# Previews

## White Background



This preview shows how the XYZ color 84.9013, 91.5503, 106.1247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

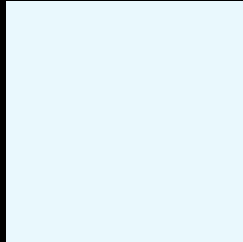
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9013, 91.5503, 106.1247 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

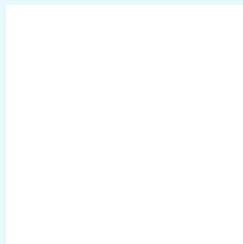
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.9013, 91.5503, 106.1247

## Background



This preview shows how black text looks on a background with the XYZ color 84.9013, 91.5503, 106.1247.



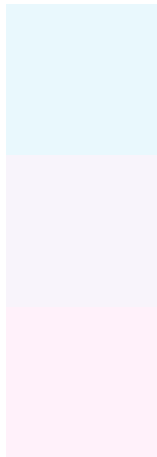
This preview shows how white text looks on a background with the XYZ color 84.9013, 91.5503,



# 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

84.9013, 91.5503, 106.1247

### Protanopia

88.4747, 91.6229, 104.2887

### Deuteranopia

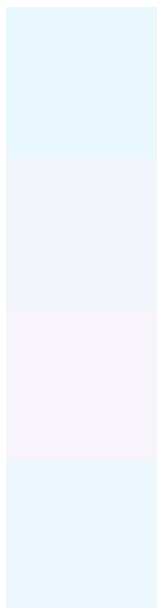
89.9506, 91.0727, 103.2804



## Tritanopia

86.9409, 91.6568, 107.7170

# Trichromacy



## Original Color

84.9013, 91.5503, 106.1247

## Protanomaly

87.1852, 91.3878, 105.1399

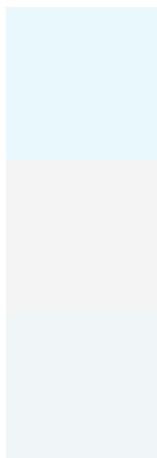
## Deuteranomaly

88.1210, 91.4406, 104.2721

## Tritanomaly

86.0752, 91.6818, 106.9256

# Monochromacy



## Original Color

84.9013, 91.5503, 106.1247

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.3761, 90.5455, 100.9729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9013, 91.5503, 106.1247 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(233, 248, 253)` looks like.

```
.text, #text, p{  
    color:rgb(233, 248, 253)  
}
```

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(233, 248, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 248, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9013, 91.5503, 106.1247 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(233, 248, 253) }
```



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

```
.border{ border-color:rgb(233, 248, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 248, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 248, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 248, 253);  
box-shadow:4px 4px 4px 4px rgb(233, 248,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9013, 91.5503, 106.1247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 248, 253) }
```

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

```
.background{ background-color: rgb(233,  
248, 253) }
```

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