

# Converting Colors

XYZ(83.8176, 91.6857,  
102.9548)

Have a look what the booklet for  
XYZ(83.8176, 91.6857, 102.9548)  
contains.

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# **Color**

**XYZ(83.6077, 91.4139,  
102.8606)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F9F9
RGB	230, 249, 249
RGB Percent	90%, 98%, 98%
CMY	0.0980, 0.0235, 0.0235
CMYK	0.08, 0.00, 0.00, 0.02
HSL	180°, 61%, 94%
HSV	180°, 8%, 98%
XYZ	83.6077, 91.4139, 102.8606
YIQ	243.3190, -11.3240, -4.0280

# Conversions

## Conversions Part 2

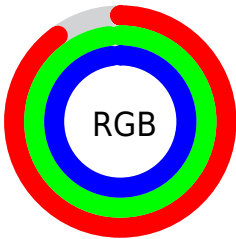
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 240, 249
Decimal	15137273
CIE <sub>Lab</sub>	96.58, -6.18, -2.14
CIE <sub>LCh</sub>	97, 6.541, 199.083
Y <sub>xy</sub>	91.4139, 0.3009, 0.3290
Android (android.graphics.Color)	4293327353 (0xFFE6F9F9)
Y <sub>UV</sub>	243.3190, 2.8007, -11.6808
Hunter-Lab	95.6106, -11.2274, 3.1416

# Details

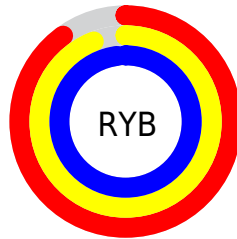
The XYZ color **83.6077, 91.4139, 102.8606** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.6500, 82.4490, 86.4780**, and the grayscale version is **85.4325, 89.8816, 97.8811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1512, 50.9889, 57.8615** is the 20% darker color. If you saturate the color by 10%, you get **76.1806, 87.5877, 102.5109**, and if you desaturate by 10%, it is **92.1815, 95.8363, 103.2677**.

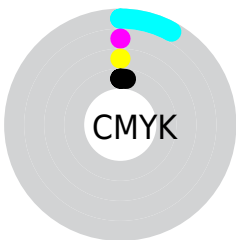
# Distribution



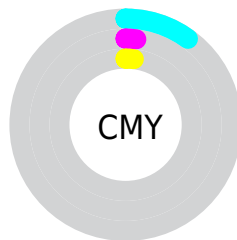
- Red (90%)
- Green (98%)
- Blue (98%)



- Red (90%)
- Yellow (94%)
- Blue (98%)



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



- Cyan (10%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6077, 91.4139, 102.8606 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 83.6077, 91.4139, 102.8606 by changing the saturation by 10% instead.



83.6077, 91.4139,  
102.8606

83.6077, 91.4139,  
102.8606

495.5629,  
532.6196, 590.6504

63.0102, 69.1539,  
78.0615

137.3504,  
149.3008, 167.1688

46.1081, 50.8371,  
57.6078

171.2263,  
185.6965, 207.5151

32.5362, 36.0790,  
41.0808

210.2590,  
227.5730, 253.8808

21.9289, 24.4952,  
28.0620

254.8140,  
275.3145, 306.6845

13.9210, 15.7014,  
18.1330

305.2565,  
329.3055, 366.3448

8.1470, 9.3131,  
10.8751

361.9519,

4.2418, 4.9459,

389.9305, 433.2802

5.8698

425.2656,  
457.5737, 507.9092

■ 1.8398, 2.2156,  
2.6986

■ 0.5415, 0.7285,  
0.9427

■ 83.6077, 91.4139,  
102.8606

■ 83.6077, 91.4139,  
102.8606

■ 76.1806, 87.5877,  
102.5109

■ 92.1815, 95.8363,  
103.2677

■ 69.8442, 84.3212,  
102.2104

■ 92.2181, 95.8550,  
103.2735

■ 64.5495, 81.5918,  
101.9586

■ 92.2188, 95.8553,  
103.2775

■ 60.2408, 79.3707,  
101.7529

■ 92.2196, 95.8557,  
103.2815

■ 56.8572, 77.6265,  
101.5906

■ 92.2204, 95.8560,  
103.2856

■ 54.3310, 76.3242,  
101.4684

■ 92.2211, 95.8563,  
103.2896

■ 52.5852, 75.4244,  
101.3827

■ 92.2219, 95.8566,  
103.2936

■ 51.5294, 74.8801,  
101.3293

■ 92.2227, 95.8569,  
103.2977

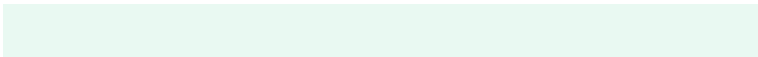
■ 51.0435, 74.6297,  
101.3025

■ 92.2234, 95.8572,  
103.3017

# Harmonies

## Analogous

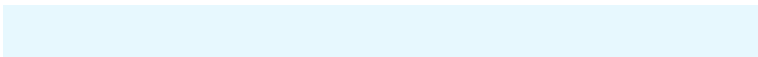
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4815, 91.4139, 97.6406



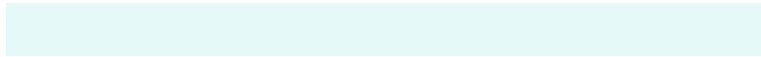
83.6077, 91.4139, 102.8606



84.6051, 91.4139, 107.3337

# Triad

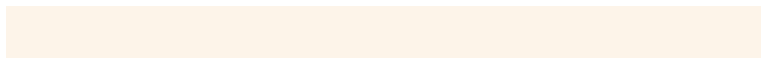
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6077, 91.4139, 102.8606



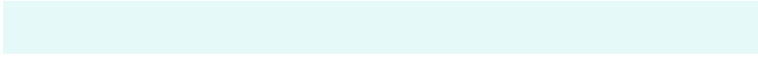
89.5685, 91.4139, 106.2716



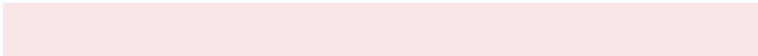
87.5533, 91.4139, 89.9767

# Complementary

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



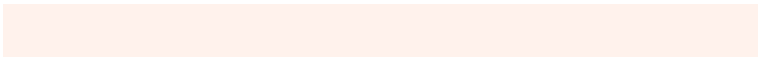
83.6077, 91.4139, 102.8606



81.6500, 82.4490, 86.4780

# 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.



89.2079, 91.4139, 92.1220



83.6077, 91.4139, 102.8606



90.3821, 91.4139, 101.4521

# Square

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



83.6077, 91.4139, 102.8606



88.0400, 91.4139, 109.3502



90.2492, 91.4139, 96.2803



85.7424, 91.4139, 90.3239

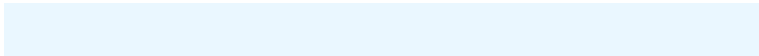


# Rectangle

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



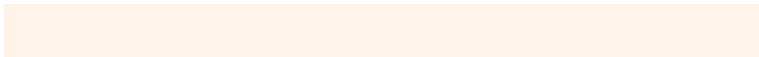
83.6077, 91.4139, 102.8606



85.6378, 91.4139, 109.2330



90.2492, 91.4139, 96.2803



88.1466, 91.4139, 90.4272

# Sweetspot

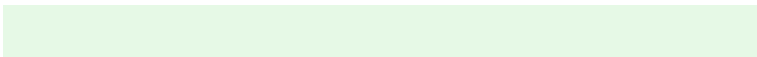
The Sweet Spot groups the original color and five complimentary colors.



83.6103, 91.4178, 102.8626



93.1984, 99.0455, 108.8125



80.8961, 90.3438, 88.0388



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

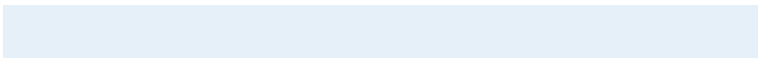
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6103, 91.4178, 102.8626



87.1042, 95.9039, 108.5243



80.8408, 85.8778, 101.9423



17.7657, 19.6086, 22.2329



27.2819, 39.9257, 54.2210

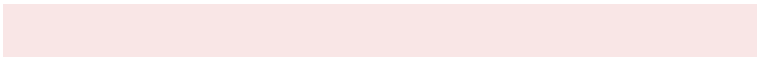


2.5268, 3.6978, 5.0220



# Inverse Universe

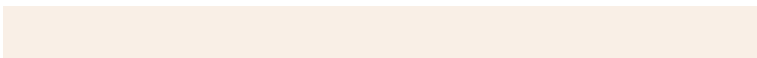
The Inverse Universe completely reimagines the original color for something new.



81.6500, 82.4490, 86.4780



84.6839, 84.8307, 88.2952



84.2734, 87.6966, 87.3499



17.2448, 17.2253, 17.8790



20.9121, 10.7806, 0.9797

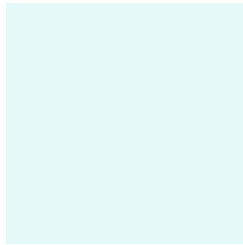


1.9369, 0.9985, 0.0910



# Previews

## White Background



This preview shows how the XYZ color 83.6077, 91.4139, 102.8606 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

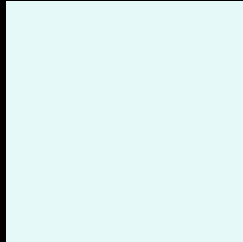
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6077, 91.4139, 102.8606 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

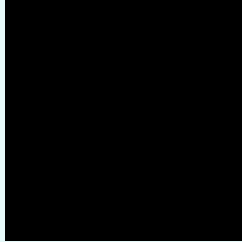
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

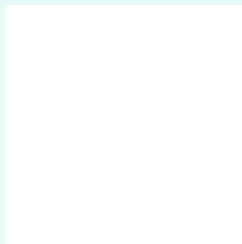
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.6077, 91.4139, 102.8606

## Background



This preview shows how black text looks on a background with the XYZ color 83.6077, 91.4139, 102.8606.



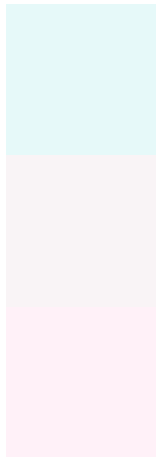
This preview shows how white text looks on a background with the XYZ color 83.6077, 91.4139,



# 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

83.6077, 91.4139, 102.8606

### Protanopia

88.0522, 91.4949, 100.2082

### Deuteranopia

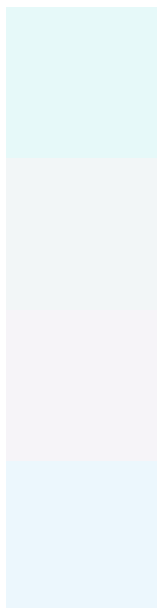
89.6386, 90.9479, 101.6372



## Tritanopia

86.6024, 91.4823, 107.7011

# Trichromacy



## Original Color

83.6077, 91.4139, 102.8606

## Protanomaly

86.3622, 91.5042, 101.1060

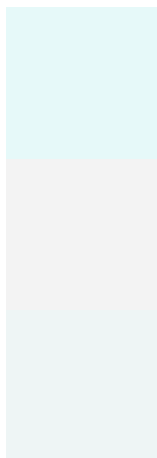
## Deuteranomaly

87.3000, 91.0715, 101.7843

## Tritanomaly

85.5825, 91.4462, 106.0687

# Monochromacy



## Original Color

83.6077, 91.4139, 102.8606

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.3937, 90.0745, 99.3243

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6077, 91.4139, 102.8606 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(230, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(230, 249, 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(230, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 249, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6077, 91.4139, 102.8606 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(230, 249, 249) }
```



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

```
.border{ border-color:rgb(230, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(230, 249,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6077, 91.4139, 102.8606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 249, 249) }
```

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

```
.background{ background-color: rgb(230,  
249, 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](#).

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