

# Converting Colors

XYZ(64.3273, 74.7718, 88.4738)

Have a look what the booklet for  
XYZ(64.3273, 74.7718, 88.4738)  
contains.

<b>XYZ(64.3404, 74.7258, 88.1232)</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(64.3404, 74.7258,  
88.1232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBE9E9
RGB	187, 233, 233
RGB Percent	73%, 91%, 91%
CMY	0.2667, 0.0863, 0.0863
CMYK	0.20, 0.00, 0.00, 0.09
HSL	180°, 51%, 82%
HSV	180°, 20%, 91%
XYZ	64.3404, 74.7258, 88.1232
YIQ	219.2460, -27.4160, -9.7520

# Conversions

## Conversions Part 2

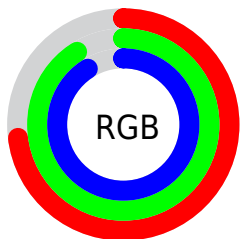
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	187, 210, 233
Decimal	12315113
CIE Lab	89.26, -14.71, -4.89
CIE LCh	89, 15.498, 198.404
Yxy	74.7258, 0.2832, 0.3289
Android (android.graphics.Color)	4290505193 (0xFFBBE9E9)
YUV	219.2460, 6.7807, -28.2797
Hunter-Lab	86.4441, -18.4195, 0.0692

# Details

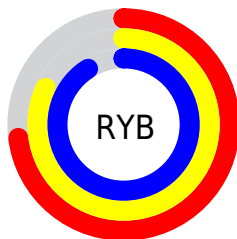
The XYZ color **64.3404, 74.7258, 88.1232** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3469, 56.4542, 54.7330**, and the grayscale version is **67.4724, 70.9863, 77.3040**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **33.3308, 39.6052, 47.4828** is the 20% darker color. If you saturate the color by 10%, you get **59.0966, 72.0245, 87.8782**, and if you desaturate by 10%, it is **70.5134, 77.9100, 88.4148**.

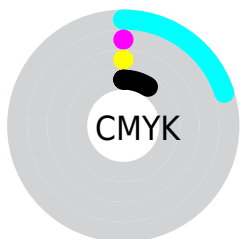
# Distribution



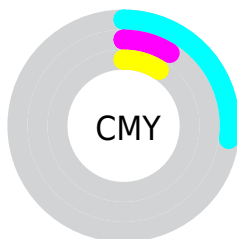
- Red (73%)
- Green (91%)
- Blue (91%)



- Red (73%)
- Yellow (82%)
- Blue (91%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.3404, 74.7258, 88.1232 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 64.3404, 74.7258, 88.1232 by changing the saturation by 10% instead.



64.3404, 74.7258,  
88.1232

64.3404, 74.7258,  
88.1232

430.0006,  
476.9746, 542.3184

47.1891, 55.3883,  
65.8602

110.1720,  
125.9241, 146.6413

33.3938, 39.7127,  
47.7031

139.5831,  
158.5538, 183.7335

22.5890, 27.3146,  
33.2335

173.8115,  
196.3829, 226.6058

14.4093, 17.8096,  
22.0328

213.2225,  
239.7959, 275.6768

8.4895, 10.8134,  
13.6825

258.1816,  
289.1771, 331.3650

4.4642, 5.9415,  
7.7639

309.0541,

1.9679, 2.8095,

344.9111, 394.0890

3.8587

366.2053,  
407.3821, 464.2673

■ 0.6159, 1.0331,  
1.5481

■ 0.0000, 0.0000,  
0.2534

■ 64.3404, 74.7258,  
88.1232

■ 64.3404, 74.7258,  
88.1232

■ 59.0966, 72.0245,  
87.8782

■ 70.5134, 77.9100,  
88.4148

■ 54.7310, 69.7740,  
87.6727


■ 77.6505, 81.5893,  
88.7500


■ 51.1975, 67.9524,  
87.5062


■ 85.0891, 85.4240,  
89.0993


■ 48.4432, 66.5326,  
87.3762


■ 85.0893, 85.4241,  
89.1005


 46.4094, 65.4841,  
87.2798


 85.0896, 85.4242,  
89.1016


 45.0286, 64.7723,  
87.2140


 85.0898, 85.4243,  
89.1028


 44.2212, 64.3561,  
87.1751

 85.0900, 85.4244,  
89.1040

 43.8542, 64.1669,  
87.1567

 85.0902, 85.4245,  
89.1052

 43.8467, 64.1630,  
87.1564

 85.0904, 85.4246,  
89.1063

# Harmonies

## Analogous

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



64.1312, 74.7258, 77.2455



64.3404, 74.7258, 88.1232



66.3018, 74.7258, 97.9678

# Triad

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



64.3404, 74.7258, 88.1232



76.6075, 74.7258, 96.0002



72.4976, 74.7258, 62.6062

# Complementary

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



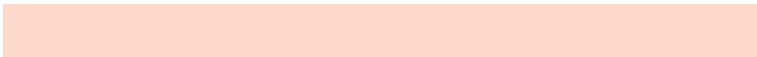
64.3404, 74.7258, 88.1232



60.3469, 56.4542, 54.7330

# 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.



75.9666, 74.7258, 66.7504



64.3404, 74.7258, 88.1232



78.3951, 74.7258, 85.6257

# Square

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



64.3404, 74.7258, 88.1232



73.3472, 74.7258, 102.7866



78.1565, 74.7258, 74.9590



68.7516, 74.7258, 63.1457

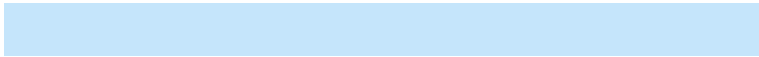


# Rectangle

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



64.3404, 74.7258, 88.1232



68.3795, 74.7258, 102.3232



78.1565, 74.7258, 74.9590



73.7371, 74.7258, 63.4816

# Sweetspot

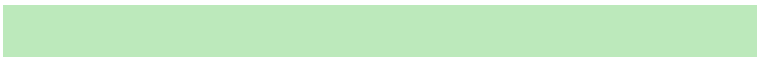
The Sweet Spot groups the original color and five complimentary colors.



64.3426, 74.7289, 88.1249



89.6432, 97.2127, 108.6461



58.7924, 72.5305, 57.9162



19.0671, 20.7455, 23.2491



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.



64.3426, 74.7289, 88.1249



76.0062, 90.1826, 108.0053



58.4400, 62.9230, 86.1595



15.5177, 17.1219, 19.4090



24.8784, 36.4058, 49.4522



1.9536, 2.8587, 3.8833



# Inverse Universe

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



60.3469, 56.4542, 54.7330



70.2029, 63.6408, 59.5075



65.4343, 66.6296, 56.4271



15.0656, 15.0541, 15.6306



19.0678, 9.8298, 0.8927

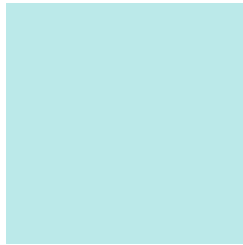


1.4973, 0.7719, 0.0702



# Previews

## White Background



This preview shows how the XYZ color 64.3404, 74.7258, 88.1232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

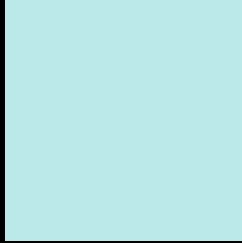
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.3404, 74.7258, 88.1232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

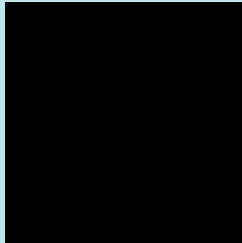
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

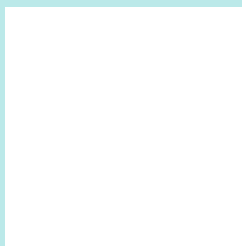
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.3404, 74.7258, 88.1232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.3404, 74.7258, 88.1232.



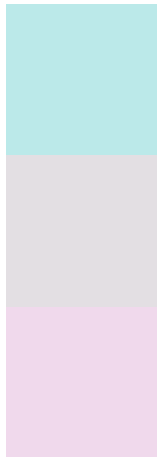
This preview shows how white text looks on a background with the XYZ color 64.3404, 74.7258,



# 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

64.3404, 74.7258, 88.1232

### Protanopia

71.9314, 74.6523, 83.2912

### Deuteranopia

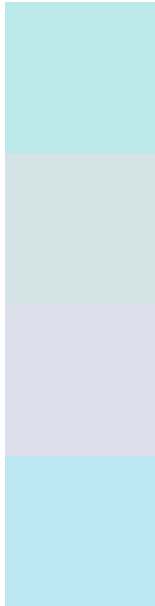
75.8884, 74.2071, 89.6805



## Tritanopia

66.9100, 74.9385, 100.5606

# Trichromacy



## Original Color

64.3404, 74.7258, 88.1232

## Protanomaly

68.7633, 74.5924, 84.9023

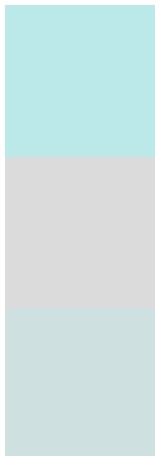
## Deuteranomaly

71.2019, 74.1457, 89.1561

## Tritanomaly

66.0205, 75.0031, 95.7914

# Monochromacy



## Original Color

64.3404, 74.7258, 88.1232

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

65.8423, 71.9585, 80.9401

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.3404, 74.7258, 88.1232 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(187, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(187, 233, 233)  
}
```

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(187, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 233, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 64.3404, 74.7258, 88.1232 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(187, 233, 233) }
```



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

```
.border{ border-color:rgb(187, 233, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 233, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(187, 233,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.3404, 74.7258, 88.1232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 233, 233) }
```

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

```
.background{ background-color: rgb(187,  
233, 233) }
```

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