

# Converting Colors

XYZ(64.3118, 74.8715, 88.9975)

Have a look what the booklet for  
XYZ(64.3118, 74.8715, 88.9975)  
contains.

<b>XYZ(64.2399, 74.6574, 88.8664)</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(64.2399, 74.6574,  
88.8664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE9EA
RGB	186, 233, 234
RGB Percent	73%, 91%, 92%
CMY	0.2706, 0.0863, 0.0823
CMYK	0.21, 0.00, 0.00, 0.08
HSL	181°, 53%, 82%
HSV	181°, 21%, 92%
XYZ	64.2399, 74.6574, 88.8664
YIQ	219.0610, -28.3330, -9.6530

# Conversions

## Conversions Part 2

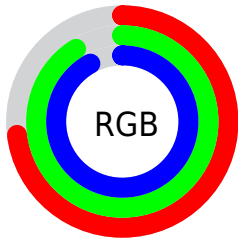
Format	Color
R <sub>Y</sub> B	186, 210, 234
Decimal	12249578
CIE Lab	89.23, -14.80, -5.47
CIE LCh	89, 15.774, 200.292
Yxy	74.6574, 0.2820, 0.3278
Android (android.graphics.Color)	4290439658 (0xFFBAE9EA)
YUV	219.0610, 7.3649, -28.9945
Hunter-Lab	86.4045, -18.4970, -0.4962

# Details

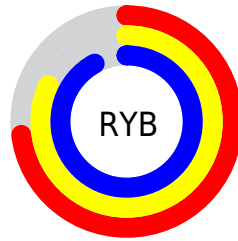
The XYZ color **64.2399, 74.6574, 88.8664** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5657, 56.5785, 54.1845**, and the grayscale version is **67.3406, 70.8476, 77.1530**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **33.2737, 39.5642, 48.0024** is the 20% darker color. If you saturate the color by 10%, you get **58.8773, 71.6908, 88.5776**, and if you desaturate by 10%, it is **70.5381, 78.1108, 89.2022**.

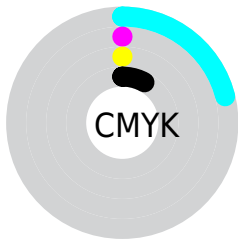
# Distribution



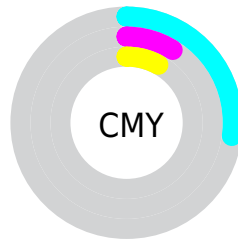
- Red (73%)
- Green (91%)
- Blue (92%)



- Red (73%)
- Yellow (82%)
- Blue (92%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (27%)
- Magenta (9%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2399, 74.6574, 88.8664 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 64.2399, 74.6574, 88.8664 by changing the saturation by 10% instead.




 64.2399, 74.6574,  
88.8664

 64.2399, 74.6574,  
88.8664

429.6440,  
476.7392, 544.8110

 47.1074, 55.3323,  
66.4724


 110.0282,  
125.8273, 147.6845

 33.3289, 39.6678,  
48.1971


139.4147,  
158.4408, 184.9457

 22.5389, 27.2796,  
33.6219


173.6165,  
196.2526, 227.9997

 14.3723, 17.7833,  
22.3283

212.9991,  
239.6470, 277.2651

 8.4635, 10.7946,  
13.8977

257.9278,  
289.0085, 333.1604

 4.4472, 5.9289,  
7.9116

308.7679,

 1.9581, 2.8019,

344.7214, 396.1041

3.9515

365.8849,  
407.1702, 466.5148

■ 0.6103, 1.0292,  
1.5988

■ 0.0000, 0.0000,  
0.2899

■ 64.2399, 74.6574,  
88.8664

■ 64.2399, 74.6574,  
88.8664

■ 58.8773, 71.6908,  
88.5776

■ 70.5381, 78.1108,  
89.2022

■ 54.3985, 69.1785,  
88.3288

■ 77.8077, 82.0635,  
89.5820

■ 50.7568, 67.0982,  
88.1192

■ 85.6463, 86.3101,  
89.9886

■ 47.8982, 65.4223,  
87.9464

■ 85.7852, 86.5880,  
90.0349

45.7628, 64.1197,  
87.8075

85.9245, 86.8666,  
90.0813

44.2817, 63.1550,  
87.6993

86.0642, 87.1460,  
90.1279

43.3731, 62.4859,  
87.6181

86.2043, 87.4262,  
90.1746

42.9098, 62.0573,  
87.5598

86.3447, 87.7071,  
90.2214

86.4856, 87.9888,  
90.2683

# Harmonies

## Analogous

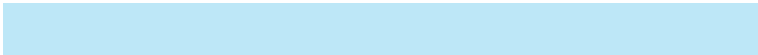
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9097, 74.6574, 77.7663



64.2399, 74.6574, 88.8664



66.3342, 74.6574, 98.7158

# Triad

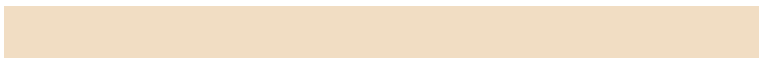
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2399, 74.6574, 88.8664



76.8088, 74.6574, 95.6010



72.2153, 74.6574, 62.1303

# Complementary

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



64.2399, 74.6574, 88.8664



60.5657, 56.5785, 54.1845

# 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.



75.7952, 74.6574, 66.0446



64.2399, 74.6574, 88.8664



78.5099, 74.6574, 84.9170

# Square

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



64.2399, 74.6574, 88.8664



73.5582, 74.6574, 102.8413



78.1323, 74.6574, 74.1555



68.4229, 74.6574, 62.9804

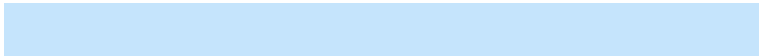


# Rectangle

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



64.2399, 74.6574, 88.8664



68.4923, 74.6574, 102.9280



78.1323, 74.6574, 74.1555



73.4855, 74.6574, 62.9180

# Sweetspot

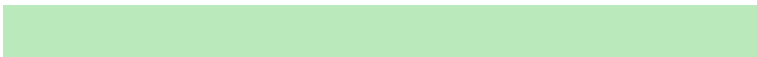
The Sweet Spot groups the original color and five complimentary colors.



64.2421, 74.6605, 88.8681



89.5421, 97.0102, 108.6132



58.6222, 72.8654, 57.8777



19.0431, 20.6975, 23.2413



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.



64.2421, 74.6605, 88.8681



74.9378, 89.0068, 107.8381



57.9520, 62.0802, 86.7714



15.4893, 17.0650, 19.3998



24.1250, 34.8969, 49.2072



1.9030, 2.7574, 3.8668



# Inverse Universe

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



66.2003, 58.4951, 84.8958



77.7629, 65.7657, 102.0895



66.0406, 67.5282, 56.0094



15.7005, 15.3081, 18.9742



27.0325, 13.0157, 42.8338

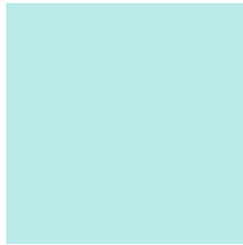


2.1270, 1.0238, 3.3862



# Previews

## White Background



This preview shows how the XYZ color 64.2399, 74.6574, 88.8664 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

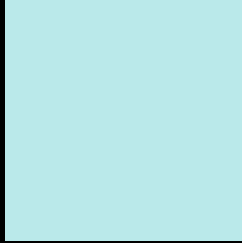
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2399, 74.6574, 88.8664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

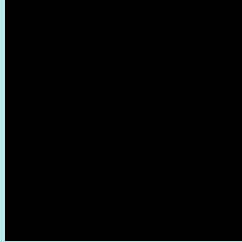
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.2399, 74.6574, 88.8664

## Background



This preview shows how black text looks on a background with the XYZ color 64.2399, 74.6574, 88.8664.



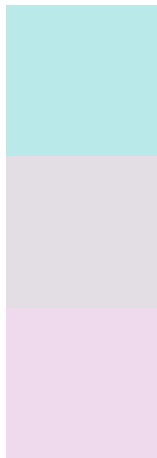
This preview shows how white text looks on a background with the XYZ color 64.2399, 74.6574,



# 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

64.2399, 74.6574, 88.8664

### Protanopia

71.4889, 74.0127, 83.9168

### Deuteranopia

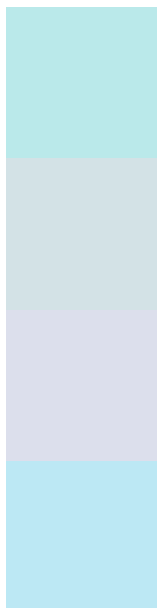
75.6955, 74.0909, 90.4321



## Tritanopia

66.6611, 74.8102, 100.5489

# Trichromacy



## Original Color

64.2399, 74.6574, 88.8664

## Protanomaly

68.3433, 73.9548, 85.5355

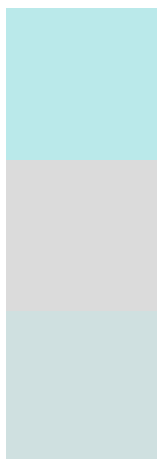
## Deuteranomaly

71.0432, 74.0471, 89.9050

## Tritanomaly

65.9248, 74.9362, 96.5775

# Monochromacy



## Original Color

64.2399, 74.6574, 88.8664

## 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 64.2399, 74.6574, 88.8664 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(186, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(186, 233, 234)  
}
```

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(186, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 233, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2399, 74.6574, 88.8664 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(186, 233, 234) }
```



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

```
.border{ border-color:rgb(186, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(186, 233,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2399, 74.6574, 88.8664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 233, 234) }
```

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

```
.background{ background-color: rgb(186,  
233, 234) }
```

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