

# Converting Colors

XYZ(64.7285, 74.7038, 89.2131)

Have a look what the booklet for  
XYZ(64.7285, 74.7038, 89.2131)  
contains.

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# Color

**XYZ(64.7292, 74.9097,  
88.8893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BCE9EA</a>
RGB	<a href="#">188, 233, 234</a>
RGB Percent	<a href="#">74%, 91%, 92%</a>
CMY	<a href="#">0.2627, 0.0863, 0.0823</a>
CMYK	<a href="#">0.20, 0.00, 0.00, 0.08</a>
HSL	<a href="#">181°, 52%, 83%</a>
HSV	<a href="#">181°, 20%, 92%</a>
XYZ	<a href="#">64.7292, 74.9097, 88.8893</a>
YIQ	<a href="#">219.6590, -27.1410, -9.2290</a>

# Conversions

## Conversions Part 2

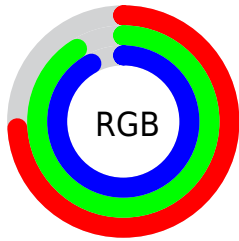
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 211, 234
Decimal	12380650
CIE Lab	89.35, -14.19, -5.28
CIE LCh	89, 15.146, 200.413
Yxy	74.9097, 0.2832, 0.3278
Android (android.graphics.Color)	4290570730 (0xFFBCE9EA)
YUV	219.6590, 7.0701, -27.7649
Hunter-Lab	86.5504, -17.9668, -0.3070

# Details

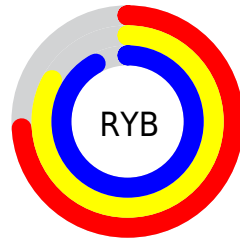
The XYZ color **64.7292, 74.9097, 88.8893** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.2070, 57.5185, 55.4545**, and the grayscale version is **67.7575, 71.2861, 77.6306**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **33.5895, 39.7270, 48.0172** is the 20% darker color. If you saturate the color by 10%, you get **59.2828, 71.8911, 88.5949**, and if you desaturate by 10%, it is **71.1150, 78.4171, 89.2309**.

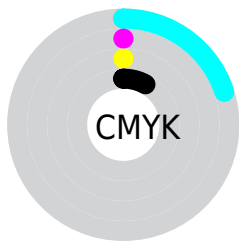
# Distribution



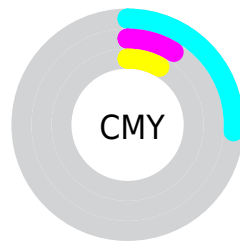
- Red (74%)
- Green (91%)
- Blue (92%)



- Red (74%)
- Yellow (83%)
- Blue (92%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (26%)
- Magenta (9%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7292, 74.9097, 88.8893 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 64.7292, 74.9097, 88.8893 by changing the saturation by 10% instead.





 64.7292, 74.9097,  
88.8893

 64.7292, 74.9097,  
88.8893


431.3788,  
477.6071, 544.8877

 47.5054, 55.5389,  
66.4913


 110.7283,  
126.1845, 147.7166

 33.6450, 39.8334,  
48.2123


140.2344,  
158.8574, 184.9830

 22.7826, 27.4086,  
33.6339


174.5652,  
196.7330, 228.0426

 14.5529, 17.8804,  
22.3374

214.0862,  
240.1959, 277.3140

 8.5905, 10.8641,  
13.9043

259.1627,  
289.6303, 333.2156

 4.5300, 5.9755,  
7.9162

310.1601,

 2.0061, 2.8302,

345.4207, 396.1661

3.9544

367.4436,  
407.9515, 466.5840

0.6374, 1.0437,  
1.6003

0.0000, 0.0000,  
0.2911

64.7292, 74.9097,  
88.8893

64.7292, 74.9097,  
88.8893

59.2828, 71.8911,  
88.5949

71.1150, 78.4171,  
89.2309

54.7243, 69.3289,  
88.3406

78.4755, 82.4256,  
89.6167


51.0073, 67.2011,  
88.1258


85.6643, 86.3462,  
89.9946


48.0782, 65.4802,  
87.9480


85.8093, 86.6362,  
90.0429


 45.8777, 64.1354,  
87.8044


 85.9548, 86.9271,  
90.0914


 44.3380, 63.1319,  
87.6919


 86.1006, 87.2188,  
90.1400


 43.3784, 62.4280,  
87.6066

 86.2469, 87.5113,  
90.1888

 42.8664, 61.9556,  
87.5424

 86.3935, 87.8046,  
90.2376

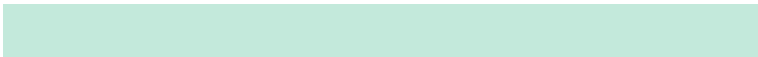
 42.8516, 61.9408,  
87.5403

 86.5406, 88.0988,  
90.2867

# Harmonies

## Analogous

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



64.4033, 74.9097, 78.2130



64.7292, 74.9097, 88.8893



66.7554, 74.9097, 98.3198

# Triad

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



64.7292, 74.9097, 88.8893



76.8321, 74.9097, 95.2687



72.3925, 74.9097, 63.0546

# Complementary

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



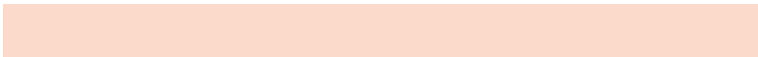
64.7292, 74.9097, 88.8893



61.2070, 57.5185, 55.4545

# 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.



75.8364, 74.9097, 66.8289



64.7292, 74.9097, 88.8893



78.4576, 74.9097, 85.0092

# Square

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



64.7292, 74.9097, 88.8893



73.7133, 74.9097, 102.2189



78.0871, 74.9097, 74.6525



68.7434, 74.9097, 63.8976

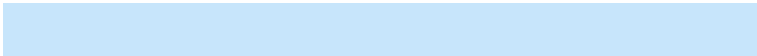


# Rectangle

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



64.7292, 74.9097, 88.8893



68.8378, 74.9097, 102.3360



78.0871, 74.9097, 74.6525



73.6145, 74.9097, 63.8120

# Sweetspot

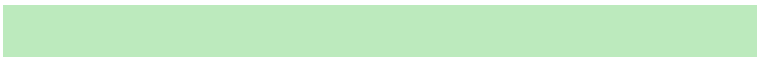
The Sweet Spot groups the original color and five complimentary colors.



64.7314, 74.9128, 88.8910



89.5377, 97.0014, 108.6117



59.3231, 73.2023, 59.0155



19.0420, 20.6954, 23.2409



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

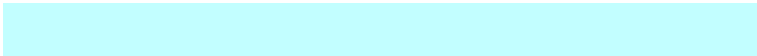


# Same Dimension

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



64.7314, 74.9128, 88.8910



75.5852, 89.3396, 107.8682



58.6959, 62.8417, 86.8792



15.4881, 17.0626, 19.3993



24.0928, 34.8325, 49.1965



1.9008, 2.7530, 3.8661



# Inverse Universe

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



66.6246, 59.3436, 85.0373



78.3245, 66.8895, 102.2750



66.4952, 68.0950, 57.2173



15.6999, 15.3078, 18.9710



27.0162, 13.0092, 42.7482

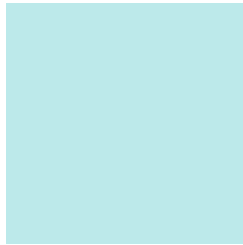


2.1259, 1.0233, 3.3805



# Previews

## White Background



This preview shows how the XYZ color 64.7292, 74.9097, 88.8893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

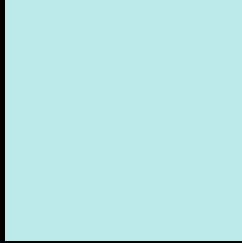
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.7292, 74.9097, 88.8893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

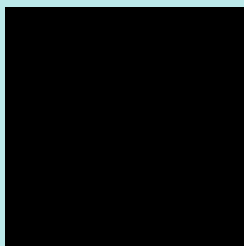
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

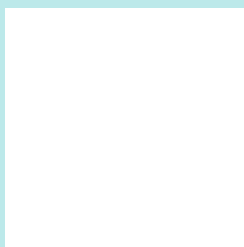
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.7292, 74.9097, 88.8893**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.7292, 74.9097, 88.8893.



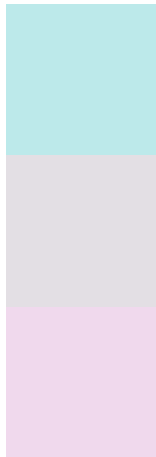
This preview shows how white text looks on a background with the XYZ color 64.7292, 74.9097,



# 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

64.7292, 74.9097, 88.8893

### Protanopia

72.0698, 74.7077, 84.0203

### Deuteranopia

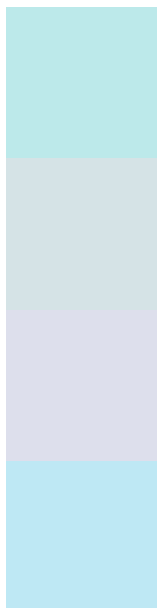
76.0341, 74.2654, 90.4480



## Tritanopia

67.1607, 75.0677, 100.5723

# Trichromacy



## Original Color

64.7292, 74.9097, 88.8893

## Protanomaly

69.1926, 74.7975, 85.6534

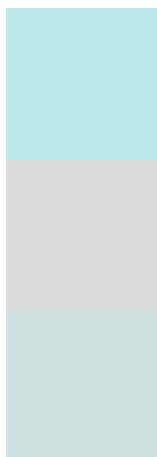
## Deuteranomaly

71.3468, 74.2036, 89.9192

## Tritanomaly

66.4210, 75.1920, 96.6007

# Monochromacy



## Original Color

64.7292, 74.9097, 88.8893

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.5282, 72.6966, 81.7596

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.7292, 74.9097, 88.8893 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(188, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 233, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 64.7292, 74.9097, 88.8893 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(188, 233, 234) }
```



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

```
.border{ border-color:rgb(188, 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(188, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(188, 233,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.7292, 74.9097, 88.8893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 233, 234) }
```

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

```
.background{ background-color: rgb(188,  
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](#).

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