

# Converting Colors

XYZ(48.2921, 63.9450, 72.2493)

Have a look what the booklet for  
XYZ(48.2921, 63.9450, 72.2493)  
contains.

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# Color

**XYZ(48.2859, 63.8920,  
72.0748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82E2D4
RGB	130, 226, 212
RGB Percent	51%, 89%, 83%
CMY	0.4902, 0.1137, 0.1686
CMYK	0.42, 0.00, 0.06, 0.11
HSL	171°, 62%, 70%
HSV	171°, 42%, 89%
XYZ	48.2859, 63.8920, 72.0748
YIQ	195.7000, -52.7220, -24.7060

# Conversions

## Conversions Part 2

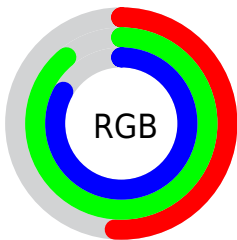
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 182, 226
Decimal	8577748
CIELab	83.91, -31.68, -2.05
CIELCh	84, 31.749, 183.693
Yxy	63.8920, 0.2621, 0.3468
Android (android.graphics.Color)	4286767828 (0xFF82E2D4)
YUV	195.7000, 8.0359, -57.6189
Hunter-Lab	79.9325, -32.0529, 2.4912

# Details

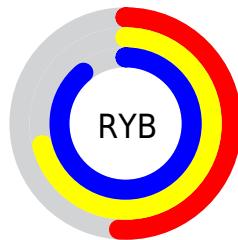
The XYZ color **48.2859, 63.8920, 72.0748** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.3828, 34.1493, 30.6401**, and the grayscale version is **52.2672, 54.9891, 59.8832**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.2082, 32.6002, 36.9676** is the 20% darker color. If you saturate the color by 10%, you get **44.7816, 62.1346, 69.7634**, and if you desaturate by 10%, it is **52.5637, 66.0503, 74.4696**.

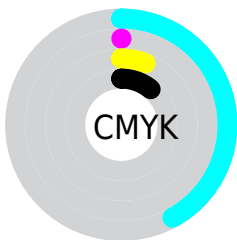
# Distribution



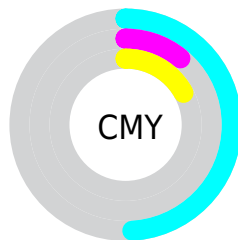
- Red (51%)
- Green (89%)
- Blue (83%)



- Red (51%)
- Yellow (71%)
- Blue (89%)



- Cyan (42%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (49%)
- Magenta (11%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2859, 63.8920, 72.0748 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 48.2859, 63.8920, 72.0748 by changing the saturation by 10% instead.





 48.2859, 63.8920,  
72.0748


 48.2859, 63.8920,  
72.0748


370.4880,  
438.7995, 486.7864


 34.2655, 46.5632,  
52.7326


 86.8370, 110.4554,  
123.8716

 23.2615, 32.6905,  
37.2031


 112.0986,  
140.4588, 157.1632

 14.9085, 21.8894,  
25.0677


 141.8378,  
175.4558, 195.9417

 8.8411, 13.7757,  
15.9080

176.4202,  
215.8309, 240.6257

 4.6940, 7.9648,  
9.3055

216.2111,  
261.9684, 291.6336

 2.1017, 4.0724,  
4.8414

261.5757,

 0.6902, 1.7142,

314.2527, 349.3840

2.0974

312.8796,  
373.0683, 414.2954

■ 0.0000, 0.4328,  
0.6142

■ 0.0000, 0.0000,  
0.0000

■ 48.2859, 63.8920,  
72.0748

■ 48.2859, 63.8920,  
72.0748

■ 44.7816, 62.1346,  
69.7634

■ 52.5637, 66.0503,  
74.4696

■ 41.9947, 60.7445,  
67.5282


■ 57.6553, 68.6256,  
76.9456


■ 39.8707, 59.6952,  
65.3678


■ 63.6048, 71.6422,  
79.5066

■ 38.3446, 58.9530,  
63.2789


■ 70.4515, 75.1203,  
82.1547


 37.3378, 58.4778,  
61.2577


 78.2323, 79.0789,  
84.8919

 36.8275, 58.2469,  
59.7771

 82.9717, 81.4686,  
87.5323

 83.4439, 81.6575,  
90.0188

 83.9250, 81.8499,  
92.5519

 84.4149, 82.0459,  
95.1317

# Harmonies

## Analogous

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



49.4653, 63.8920, 53.8746



48.2859, 63.8920, 72.0748



50.2237, 63.8920, 93.1628

# Triad

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



48.2859, 63.8920, 72.0748



68.4873, 63.8920, 106.7312



66.8765, 63.8920, 40.4685

# Complementary

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



48.2859, 63.8920, 72.0748



44.3828, 34.1493, 30.6401

# 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.



72.6021, 63.8920, 50.3360



48.2859, 63.8920, 72.0748



73.5810, 63.8920, 88.0454

# Square

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



48.2859, 63.8920, 72.0748



61.5967, 63.8920, 115.4473



75.1412, 63.8920, 67.1191



59.8664, 63.8920, 37.8085



# Rectangle

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



48.2859, 63.8920, 72.0748



53.1167, 63.8920, 105.3981



75.1412, 63.8920, 67.1191



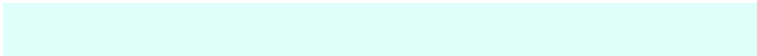
69.0325, 63.8920, 42.9453

# Sweetspot

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



48.2877, 63.8945, 72.0763



83.1195, 93.9384, 104.3291



42.7991, 61.9724, 30.8264



17.4009, 19.9088, 22.1688



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

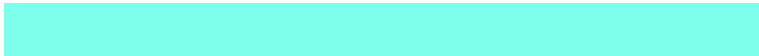


# Same Dimension

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



48.2877, 63.8945, 72.0763



59.3550, 81.9342, 92.0672



41.8729, 48.1141, 79.0344



14.0261, 15.5362, 17.1727



21.0437, 33.2423, 34.2825



1.4824, 2.3137, 2.5015



# Inverse Universe

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



44.3828, 34.1493, 30.6401



53.5951, 37.9257, 30.8486



48.5994, 44.1904, 27.0884



13.7883, 13.7329, 14.6553



18.0759, 9.2974, 1.7995



1.2790, 0.6549, 0.2619



# Previews

## White Background



This preview shows how the XYZ color 48.2859, 63.8920, 72.0748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

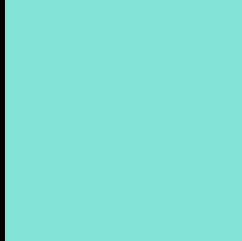
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2859, 63.8920, 72.0748 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

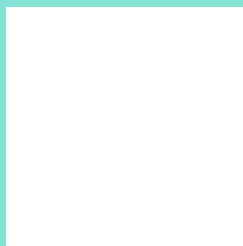
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.2859, 63.8920, 72.0748**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2859, 63.8920, 72.0748.



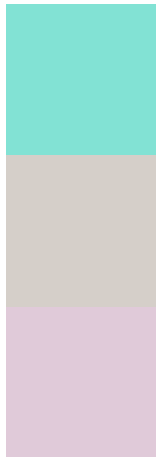
This preview shows how white text looks on a background with the XYZ color 48.2859, 63.8920,



# 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

48.2859, 63.8920, 72.0748

### Protanopia

60.2960, 62.9888, 64.2385

### Deuteranopia

64.3854, 63.0981, 74.4313



## **Tritanopia**

52.3307, 63.9371, 92.0211

# Trichromacy



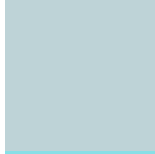
## Original Color

48.2859, 63.8920, 72.0748



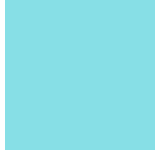
## Protanomaly

54.5945, 62.5682, 66.9570



## Deuteranomaly

56.7952, 62.4420, 73.3491



## Tritanomaly

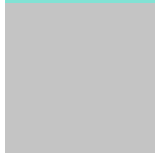
50.6623, 63.6394, 84.4764

# Monochromacy



## Original Color

48.2859, 63.8920, 72.0748



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

49.9868, 57.6606, 64.3721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2859, 63.8920, 72.0748 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(130, 226, 212)` looks like.

```
.text, #text, p{  
    color:rgb(130, 226, 212)  
}
```

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(130, 226, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 226, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2859, 63.8920, 72.0748 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(130, 226, 212) }
```



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

```
.border{ border-color:rgb(130, 226, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 226, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 226, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 226, 212);  
box-shadow:4px 4px 4px 4px rgb(130, 226,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2859, 63.8920, 72.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 226, 212) }
```

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

```
.background{ background-color: rgb(130,  
226, 212) }
```

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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