

# Converting Colors

XYZ(45.1569, 57.8881, 70.3472)

Have a look what the booklet for  
XYZ(45.1569, 57.8881, 70.3472)  
contains.

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# Color

**XYZ(45.2642, 58.0499,  
70.4471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82D7D3
RGB	130, 215, 211
RGB Percent	51%, 84%, 83%
CMY	0.4902, 0.1568, 0.1725
CMYK	0.40, 0.00, 0.02, 0.16
HSL	177°, 52%, 68%
HSV	177°, 40%, 84%
XYZ	45.2642, 58.0499, 70.4471
YIQ	189.1290, -49.3760, -19.2640

# Conversions

## Conversions Part 2

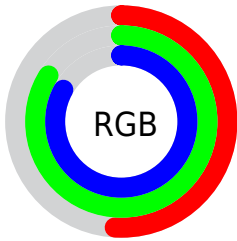
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">130, 174, 215</a>
Decimal	<a href="#">8574931</a>
CIELab	<a href="#">80.77, -26.64, -6.14</a>
CIELCh	<a href="#">81, 27.337, 192.984</a>
Yxy	<a href="#">58.0499, 0.2605, 0.3341</a>
Android (android.graphics.Color)	<a href="#">4286765011</a> ( <a href="#">0xFF82D7D3</a> )
YUV	<a href="#">189.1290, 10.7824, -51.8561</a>
Hunter-Lab	<a href="#">76.1905, -27.2878, -1.4873</a>

# Details

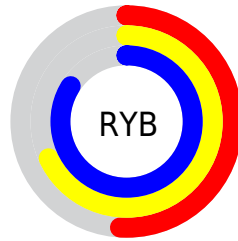
The XYZ color **45.2642, 58.0499, 70.4471** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.3120, 32.1351, 26.6343**, and the grayscale version is **48.4054, 50.9263, 55.4587**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **21.4806, 29.0318, 36.3698** is the 20% darker color. If you saturate the color by 10%, you get **42.1786, 56.4753, 69.6434**, and if you desaturate by 10%, it is **49.0430, 59.9847, 71.2899**.

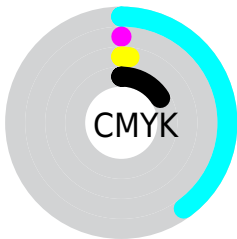
# Distribution



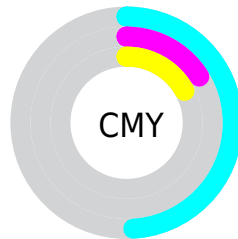
- Red (51%)
- Green (84%)
- Blue (83%)



- Red (51%)
- Yellow (68%)
- Blue (84%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



- Cyan (49%)
- Magenta (16%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2642, 58.0499, 70.4471 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 45.2642, 58.0499, 70.4471 by changing the saturation by 10% instead.



45.2642, 58.0499,  
70.4471

45.2642, 58.0499,  
70.4471

358.6082,  
417.3718, 480.9498

31.8677, 41.8488,  
51.4121

82.3514, 101.9955,  
121.5332

21.4156, 28.9829,  
36.1576

106.7728,  
130.5088, 154.4214

13.5423, 19.0679,  
24.2653

135.5999,  
163.8949, 192.7643

7.8826, 11.7193,  
15.3165

169.1980,  
202.5383, 236.9806

4.0711, 6.5529,  
8.8928

207.9326,  
246.8232, 287.4887

1.7424, 3.1841,  
4.5754

252.1689,

0.4826, 1.2286,

297.1342, 344.7073

1.9460

302.2723,  
353.8556, 409.0548

■ 0.0000, 0.0849,  
0.5218

■ 0.0000, 0.0000,  
0.0000

■ 45.2642, 58.0499,  
70.4471

■ 45.2642, 58.0499,  
70.4471

■ 42.1786, 56.4753,  
69.6434

■ 49.0430, 59.9847,  
71.2899

■ 39.7379, 55.2315,  
68.8729

■ 53.5495, 62.2930,  
72.1697


■ 37.8956, 54.2962,  
68.1344


■ 58.8218, 64.9961,  
73.0895


■ 36.5968, 53.6410,  
67.4256


■ 64.8940, 68.1115,  
74.0509


 35.7767, 53.2325,  
66.7433


 71.7983, 71.6556,  
75.0555

 35.3246, 53.0136,  
66.0824

 78.0757, 74.8766,  
76.0350

 35.3064, 53.0049,  
66.0518

 78.2079, 74.9295,  
76.7311

 78.3409, 74.9827,  
77.4314

 78.4747, 75.0362,  
78.1360

# Harmonies

## Analogous

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



45.4376, 58.0499, 54.5431



45.2642, 58.0499, 70.4471



47.6128, 58.0499, 86.8439

# Triad

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



45.2642, 58.0499, 70.4471



62.9066, 58.0499, 88.7687



58.4108, 58.0499, 37.9088

# Complementary

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



45.2642, 58.0499, 70.4471



40.3120, 32.1351, 26.6343

# 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.



63.4976, 58.0499, 44.3018



45.2642, 58.0499, 70.4471



66.2121, 58.0499, 72.7418

# Square

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



45.2642, 58.0499, 70.4471



57.6481, 58.0499, 98.5729



66.4355, 58.0499, 56.4798



52.7730, 58.0499, 37.5078



# Rectangle

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



45.2642, 58.0499, 70.4471



50.3920, 58.0499, 95.1226



66.4355, 58.0499, 56.4798



60.2508, 58.0499, 39.3711

# Sweetspot

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



45.2659, 58.0522, 70.4484



84.4435, 94.5588, 107.1972



38.2028, 55.3038, 29.7814



17.8497, 20.1243, 22.9061



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.



45.2659, 58.0522, 70.4484



62.9304, 83.5452, 102.7235



37.1461, 40.9996, 70.2486



12.7658, 14.0973, 15.8469



21.1280, 31.7065, 39.5653



1.2823, 1.9156, 2.4283



# Inverse Universe

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



40.3120, 32.1351, 26.6343



54.7173, 40.5468, 30.0612



46.1044, 44.1584, 27.2136



12.4467, 12.4302, 13.0267



16.8060, 8.6587, 1.0165

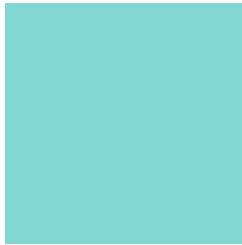


1.0222, 0.5257, 0.1062



# Previews

## White Background



This preview shows how the XYZ color 45.2642, 58.0499, 70.4471 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

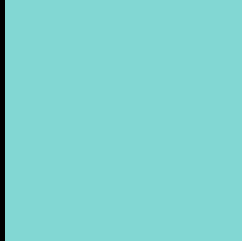
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2642, 58.0499, 70.4471 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

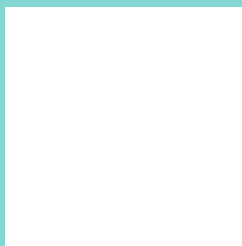
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.2642, 58.0499, 70.4471**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.2642, 58.0499, 70.4471.



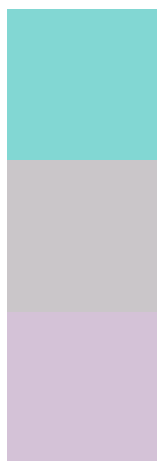
This preview shows how white text looks on a background with the XYZ color 45.2642, 58.0499,



# 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

45.2642, 58.0499, 70.4471

### Protanopia

55.0938, 57.1618, 63.3879

### Deuteranopia

58.7089, 57.4869, 72.2918



## Tritanopia

47.6780, 57.8950, 82.7907

# Trichromacy



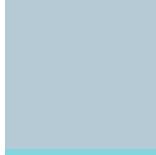
## Original Color

45.2642, 58.0499, 70.4471



## Protanomaly

50.5168, 56.8236, 66.0631



## Deuteranomaly

52.5495, 57.0412, 71.8587



## Tritanomaly

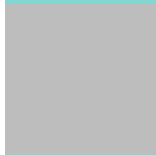
46.6519, 57.8490, 77.8144

# Monochromacy



## Original Color

45.2642, 58.0499, 70.4471



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

46.4206, 52.7442, 60.5574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2642, 58.0499, 70.4471 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, 215, 211)` looks like.

```
.text, #text, p{  
    color:rgb(130, 215, 211)  
}
```

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, 215, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 215, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2642, 58.0499, 70.4471 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, 215, 211) }
```



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

```
.border{ border-color:rgb(130, 215, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 215, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 215, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 215, 211);  
box-shadow:4px 4px 4px 4px rgb(130, 215,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2642, 58.0499, 70.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 215, 211) }
```

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

```
.background{ background-color: rgb(130,  
215, 211) }
```

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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