

# Converting Colors

XYZ(42.1826, 58.0400, 76.3072)

Have a look what the booklet for  
XYZ(42.1826, 58.0400, 76.3072)  
contains.

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# Color

**XYZ(42.0482, 57.8037,  
75.9589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57DBDB
RGB	87, 219, 219
RGB Percent	34%, 86%, 86%
CMY	0.6588, 0.1412, 0.1412
CMYK	0.60, 0.00, 0.00, 0.14
HSL	180°, 65%, 60%
HSV	180°, 60%, 86%
XYZ	42.0482, 57.8037, 75.9589
YIQ	179.5320, -78.6720, -27.9840

# Conversions

## Conversions Part 2

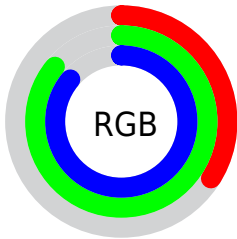
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 153, 219
Decimal	5757915
CIELab	80.63, -35.52, -10.78
CIELCh	81, 37.122, 196.876
Yxy	57.8037, 0.2392, 0.3288
Android (android.graphics.Color)	4283947995 (0xFF57DBDB)
YUV	179.5320, 19.4577, -81.1506
Hunter-Lab	76.0287, -34.3297, -6.0154

# Details

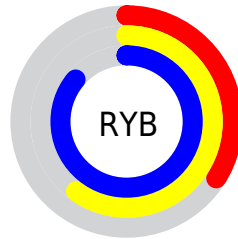
The XYZ color **42.0482, 57.8037, 75.9589** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **34.3439, 22.5665, 11.5644**, and the grayscale version is **43.0629, 45.3055, 49.3377**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **19.7980, 28.8747, 39.6519** is the 20% darker color. If you saturate the color by 10%, you get **40.3058, 56.9068, 75.8784**, and if you desaturate by 10%, it is **44.4141, 59.0247, 76.0711**.

# Distribution



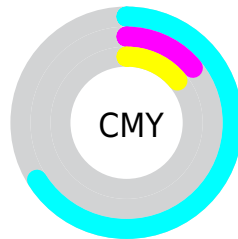
- Red (34%)
- Green (86%)
- Blue (86%)



- Red (34%)
- Yellow (60%)
- Blue (86%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (14%)




- Cyan (66%)
- Magenta (14%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0482, 57.8037, 75.9589 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 42.0482, 57.8037, 75.9589 by changing the saturation by 10% instead.





 42.0482, 57.8037,  
75.9589


 42.0482, 57.8037,  
75.9589


345.6709,  
416.4541, 500.5501

 29.3303, 41.6509,  
55.8924


 77.5373, 101.6369,  
129.4284

 19.4764, 28.8280,  
39.7132

 101.0392,  
130.0861, 163.6684

 12.1210, 18.9507,  
27.0029


 128.8664,  
163.4029, 203.4699

 6.8990, 11.6347,  
17.3430

 161.3845,  
201.9716, 249.2516

 3.4448, 6.4954,  
10.3148

198.9585,  
246.1767, 301.4319

 1.3931, 3.1486,  
5.4998

241.9541,

 0.2513, 1.2098,

296.4026, 360.4294

2.4796

290.7364,  
353.0335, 426.6626

■ 0.0000, 0.0697,  
0.8293

■ 0.0000, 0.0000,  
0.0000

■ 42.0482, 57.8037,  
75.9589

■ 42.0482, 57.8037,  
75.9589

■ 40.3058, 56.9068,  
75.8784

■ 44.4141, 59.0247,  
76.0711

■ 39.1236, 56.2973,  
75.8229


■ 47.4492, 60.5893,  
76.2134


■ 38.4344, 55.9421,  
75.7905


■ 51.2008, 62.5233,  
76.3891


■ 38.1186, 55.7792,  
75.7755


■ 55.7104, 64.8481,  
76.6004

 61.0166, 67.5835,  
76.8489

 67.1550, 70.7480,  
77.1364

 74.1595, 74.3589,  
77.4644

 79.3591, 77.0394,  
77.7079

 79.3591, 77.0394,  
77.7081

# Harmonies

## Analogous

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



41.8402, 57.8037, 53.8611



42.0482, 57.8037, 75.9589



45.4983, 57.8037, 98.9096

# Triad

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



42.0482, 57.8037, 75.9589



66.3752, 57.8037, 96.2997



58.3441, 57.8037, 30.2140

# Complementary

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



42.0482, 57.8037, 75.9589



34.3439, 22.5665, 11.5644

# 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.



65.6066, 57.8037, 36.9548



42.0482, 57.8037, 75.9589



70.5247, 57.8037, 72.9822

# Square

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



42.0482, 57.8037, 75.9589



59.3166, 57.8037, 112.3916



70.2310, 57.8037, 51.4979



50.7855, 57.8037, 30.6532



# Rectangle

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



42.0482, 57.8037, 75.9589



49.3712, 57.8037, 110.0992



70.2310, 57.8037, 51.4979



60.9140, 57.8037, 31.6343

# Sweetspot

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



42.0499, 57.8059, 75.9603



80.1327, 92.3099, 108.2014



31.1927, 53.4871, 17.6984



16.7124, 19.5317, 23.1390



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.



42.0499, 57.8059, 75.9603



56.4376, 80.0946, 107.0909



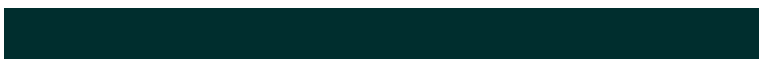
28.4733, 30.6523, 71.4359



13.4449, 14.8296, 16.8059



22.6018, 33.0733, 44.9298



1.4643, 2.1427, 2.9108



# Inverse Universe

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



34.3439, 22.5665, 11.5644



44.6691, 26.2776, 8.7470



41.9703, 37.8195, 14.1062



13.0561, 13.0515, 13.5567



17.3222, 8.9299, 0.8107

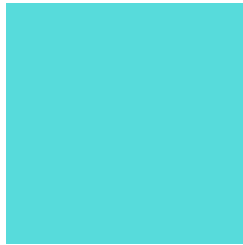


1.1222, 0.5785, 0.0525



# Previews

## White Background



This preview shows how the XYZ color 42.0482, 57.8037, 75.9589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

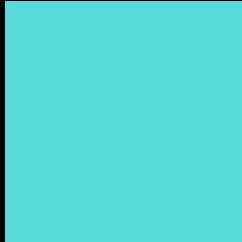
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.0482, 57.8037, 75.9589 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

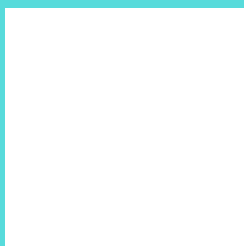
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.0482, 57.8037, 75.9589**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.0482, 57.8037, 75.9589.



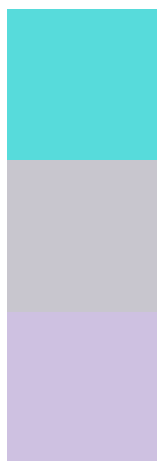
This preview shows how white text looks on a background with the XYZ color 42.0482, 57.8037,



# 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

42.0482, 57.8037, 75.9589

### Protanopia

55.1541, 57.1238, 66.5116

### Deuteranopia

58.1142, 56.6980, 79.1150



## Tritanopia

44.2802, 57.9459, 86.6928

# Trichromacy



## Original Color

42.0482, 57.8037, 75.9589



## Protanomaly

48.1273, 56.2167, 69.9423



## Deuteranomaly

49.5441, 55.3553, 77.8854



## Tritanomaly

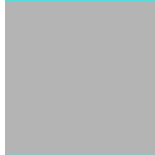
43.5286, 58.0241, 83.0343

# Monochromacy



## Original Color

42.0482, 57.8037, 75.9589



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

40.8835, 48.5896, 58.2629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.0482, 57.8037, 75.9589 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(87, 219, 219)` looks like.

```
.text, #text, p{  
    color:rgb(87, 219, 219)  
}
```

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(87, 219, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 219, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 42.0482, 57.8037, 75.9589 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(87, 219, 219) }
```



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

```
.border{ border-color:rgb(87, 219, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 219, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 219, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 219, 219);  
box-shadow:4px 4px 4px 4px rgb(87, 219,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.0482, 57.8037, 75.9589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 219, 219) }
```

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

```
.background{ background-color: rgb(87, 219,  
219) }
```

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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