

# Converting Colors

XYZ(41.1985, 60.5426, 75.7668)

Have a look what the booklet for  
XYZ(41.1985, 60.5426, 75.7668)  
contains.

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# Color

**XYZ(41.2062, 60.5580,  
75.8467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DE3DA
RGB	45, 227, 218
RGB Percent	18%, 89%, 85%
CMY	0.8235, 0.1098, 0.1451
CMYK	0.80, 0.00, 0.04, 0.11
HSL	177°, 76%, 53%
HSV	177°, 80%, 89%
XYZ	41.2062, 60.5580, 75.8467
YIQ	171.5560, -105.5830, -41.3830

# Conversions

## Conversions Part 2

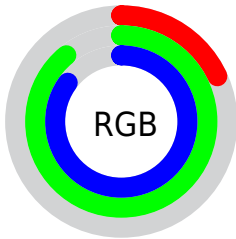
Format	Color
<b>RYB</b>	45, 138, 227
Decimal	3007450
CIELab	82.14, -44.60, -8.08
CIELCh	82, 45.323, 190.275
Yxy	60.5580, 0.2320, 0.3410
Android (android.graphics.Color)	4281197530 (0xFF2DE3DA)
YUV	171.5560, 22.8969, -110.9896
Hunter-Lab	77.8190, -41.6652, -3.3140

# Details

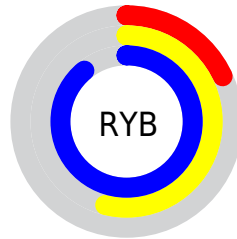
The XYZ color **41.2062, 60.5580, 75.8467** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.2849, 18.4760, 5.3042**, and the grayscale version is **38.9179, 40.9447, 44.5888**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **21.1738, 31.7702, 39.6666** is the 20% darker color. If you saturate the color by 10%, you get **40.3165, 60.1176, 75.0419**, and if you desaturate by 10%, it is **42.6368, 61.2798, 76.6847**.

# Distribution



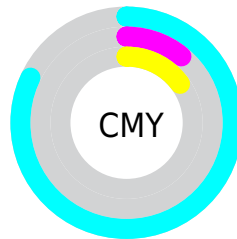
- Red (18%)
- Green (89%)
- Blue (85%)



- Red (18%)
- Yellow (54%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)



- Cyan (82%)
- Magenta (11%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2062, 60.5580, 75.8467 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 41.2062, 60.5580, 75.8467 by changing the saturation by 10% instead.



41.2062, 60.5580,  
75.8467

41.2062, 60.5580,  
75.8467

342.2296,  
426.6515, 500.1556

28.6686, 43.8686,  
55.8009

76.2695, 105.6387,  
129.2683

18.9733, 30.5672,  
39.6404

99.5260, 134.7987,  
163.4812

11.7549, 20.2695,  
26.9466

127.0862,  
168.8844, 203.2535

6.6480, 12.5911,  
17.3011

159.3154,  
208.2802, 249.0038

3.2873, 7.1476,  
10.2851

196.5789,  
253.3703, 301.1506

1.3075, 3.5546,  
5.4804

239.2423,

0.1888, 1.4277,

304.5394, 360.1125

2.4681

287.6707,  
362.1716, 426.3080

■ 0.0000, 0.2370,  
0.8232

■ 0.0000, 0.0000,  
0.0000

■ 41.2062, 60.5580,  
75.8467

■ 41.2062, 60.5580,  
75.8467

■ 40.3165, 60.1176,  
75.0419

■ 42.6368, 61.2798,  
76.6847

■ 39.8356, 59.8862,  
74.2729

■ 44.6782, 62.3150,  
77.5552

■ 47.3957, 63.6987,  
78.4625

■ 50.8448, 65.4594,  
79.4093

■ 55.0752, 67.6227,  
80.3978

■ 60.1323, 70.2122,  
81.4304

■ 66.0581, 73.2493,  
82.5088

■ 72.8915, 76.7542,  
83.6349

■ 80.6694, 80.7459,  
84.8106

# Harmonies

## Analogous

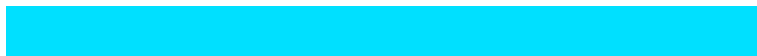
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.8408, 60.5580, 49.6223



41.2062, 60.5580, 75.8467



44.5657, 60.5580, 106.4626

# Triad

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



41.2062, 60.5580, 75.8467



70.3659, 60.5580, 115.1864



64.0313, 60.5580, 27.5803

# Complementary

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



41.2062, 60.5580, 75.8467



33.2849, 18.4760, 5.3042

# 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.



72.8591, 60.5580, 37.2739



41.2062, 60.5580, 75.8467



76.7891, 60.5580, 85.4858

# Square

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



41.2062, 60.5580, 75.8467



60.9219, 60.5580, 133.0202



77.7492, 60.5580, 56.9311



54.3213, 60.5580, 26.3358



# Rectangle

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



41.2062, 60.5580, 75.8467



48.8638, 60.5580, 123.4826



77.7492, 60.5580, 56.9311



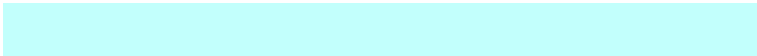
67.2280, 60.5580, 29.7978

# Sweetspot

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



41.2080, 60.5603, 75.8481



75.5232, 89.9894, 105.4621



29.4715, 55.9171, 11.7241



15.6665, 19.0062, 22.4704



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.



41.2080, 60.5603, 75.8481



52.0489, 78.0503, 97.0299



25.0906, 26.3887, 76.4466



14.7750, 16.3234, 18.3461



23.2446, 34.9300, 43.3841



1.7272, 2.5850, 3.2562



# Inverse Universe

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



33.2849, 18.4760, 5.3042



41.4985, 21.5406, 2.7453



39.7314, 31.6767, 6.5044



14.4057, 14.3795, 15.0711



18.5234, 9.5436, 1.1193

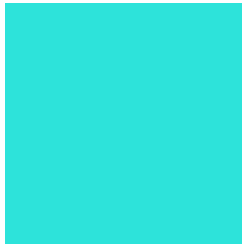


1.3791, 0.7093, 0.1367



# Previews

## White Background



This preview shows how the XYZ color 41.2062, 60.5580, 75.8467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

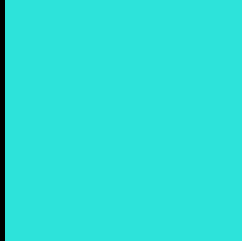
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2062, 60.5580, 75.8467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

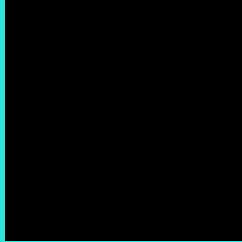
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

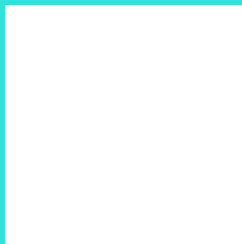
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.2062, 60.5580, 75.8467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2062, 60.5580, 75.8467.



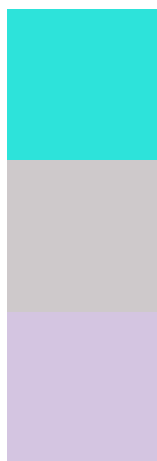
This preview shows how white text looks on a background with the XYZ color 41.2062, 60.5580,



# 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

41.2062, 60.5580, 75.8467

### Protanopia

57.1197, 59.2069, 64.9175

### Deuteranopia

60.7082, 59.3658, 79.4932



## Tritanopia

44.5290, 60.2761, 93.2919

# Trichromacy



## Original Color

41.2062, 60.5580, 75.8467



## Protanomaly

46.4644, 56.8503, 68.1988



## Deuteranomaly

48.5032, 56.9650, 77.5462



## Tritanomaly

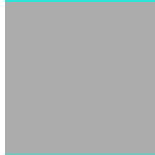
43.0510, 60.0644, 86.4154

# Monochromacy



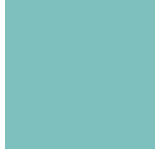
## Original Color

41.2062, 60.5580, 75.8467



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.6391, 45.8090, 55.0551

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2062, 60.5580, 75.8467 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(45, 227, 218)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 218)  
}
```

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(45, 227, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2062, 60.5580, 75.8467 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(45, 227, 218) }
```



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

```
.border{ border-color:rgb(45, 227, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 218);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2062, 60.5580, 75.8467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 218) }
```

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

```
.background{ background-color: rgb(45, 227,  
218) }
```

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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