

# Converting Colors

XYZ(40.7527, 54.1664, 65.4216)

Have a look what the booklet for  
XYZ(40.7527, 54.1664, 65.4216)  
contains.

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# Color

**XYZ(40.8754, 54.3929,  
65.4713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70D3CC
RGB	112, 211, 204
RGB Percent	44%, 83%, 80%
CMY	0.5608, 0.1725, 0.2000
CMYK	0.47, 0.00, 0.03, 0.17
HSL	176°, 53%, 63%
HSV	176°, 47%, 83%
XYZ	40.8754, 54.3929, 65.4713
YIQ	180.6010, -56.7570, -23.1650

# Conversions

## Conversions Part 2

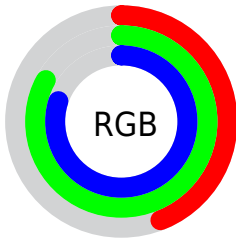
Format	Color
<b>RYB</b>	112, 163, 211
Decimal	7394252
CIELab	78.69, -30.74, -5.55
CIELCh	79, 31.237, 190.233
Yxy	54.3929, 0.2543, 0.3384
Android (android.graphics.Color)	4285584332 (0xFF70D3CC)
YUV	180.6010, 11.5357, -60.1631
Hunter-Lab	73.7515, -30.1349, -1.0073

# Details

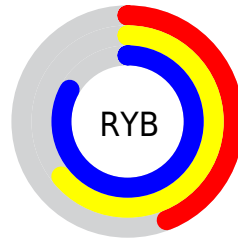
The XYZ color **40.8754, 54.3929, 65.4713** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.9897, 26.7706, 20.7249**, and the grayscale version is **43.6687, 45.9428, 50.0317**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **18.7587, 26.6827, 33.0158** is the 20% darker color. If you saturate the color by 10%, you get **38.3211, 53.0980, 64.4229**, and if you desaturate by 10%, it is **44.0636, 56.0170, 66.5607**.

# Distribution



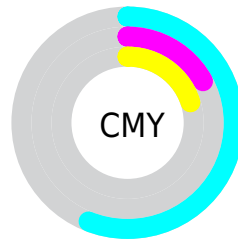
- Red (44%)
- Green (83%)
- Blue (80%)



- Red (44%)
- Yellow (64%)
- Blue (83%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)




- Cyan (56%)
- Magenta (17%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8754, 54.3929, 65.4713 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 40.8754, 54.3929, 65.4713 by changing the saturation by 10% instead.




 40.8754, 54.3929,  
65.4713


 40.8754, 54.3929,  
65.4713


340.8711,  
403.6065, 462.8362

 28.4090, 38.9159,  
47.3896


 75.7706, 96.6509,  
114.3469

 18.7762, 26.6943,  
32.9872


 98.9301, 124.2006,  
145.9779

 11.6117, 17.3438,  
21.8456


 126.3847,  
156.5434, 182.9624

 6.5502, 10.4799,  
13.5463

158.4997,  
194.0636, 225.7189

 3.2262, 5.7183,  
7.6706

195.6405,  
237.1456, 274.6660

 1.2745, 2.6745,  
3.8002

238.1724,

 0.1640, 0.9643,

286.1738, 330.2222

1.5164

286.4608,  
341.5327, 392.8061

■ 0.0000, 0.0000,  
0.2301

■ 0.0000, 0.0000,  
0.0000

■ 40.8754, 54.3929,  
65.4713

■ 40.8754, 54.3929,  
65.4713

■ 38.3211, 53.0980,  
64.4229

■ 44.0636, 56.0170,  
66.5607

■ 36.3514, 52.1029,  
63.4097


■ 47.9213, 57.9848,  
67.6892


■ 34.9173, 51.3839,  
62.4304


■ 52.4870, 60.3173,  
68.8598


■ 33.9600, 50.9103,  
61.4822

■ 57.7949, 63.0322,  
70.0742


 33.4019, 50.6424,  
60.5617


 63.8770, 66.1461,  
71.3339

 33.2681, 50.5795,  
60.2816

 70.7635, 69.6744,  
72.6403

 76.7301, 72.7283,  
73.9128

 76.9222, 72.8051,  
74.9241

 77.1160, 72.8827,  
75.9446

# Harmonies

## Analogous

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



41.3136, 54.3929, 48.4556



40.8754, 54.3929, 65.4713



43.1562, 54.3929, 84.0067

# Triad

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



40.8754, 54.3929, 65.4713



59.7508, 54.3929, 89.1522



55.8180, 54.3929, 32.6478

# Complementary

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



40.8754, 54.3929, 65.4713



35.9897, 26.7706, 20.7249

# 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.



61.3004, 54.3929, 39.8694



40.8754, 54.3929, 65.4713



63.6931, 54.3929, 71.4815

# Square

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



40.8754, 54.3929, 65.4713



53.8363, 54.3929, 99.3727



64.2818, 54.3929, 53.3885



49.6187, 54.3929, 31.6744



# Rectangle

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



40.8754, 54.3929, 65.4713



46.0268, 54.3929, 93.9059



64.2818, 54.3929, 53.3885



57.8187, 54.3929, 34.3453

# Sweetspot

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



40.8770, 54.3950, 65.4726



82.7098, 93.6851, 106.2144



34.0010, 51.7715, 23.5312



17.3410, 19.8672, 22.6483



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.



40.8770, 54.3950, 65.4726



58.9337, 81.5643, 98.9436



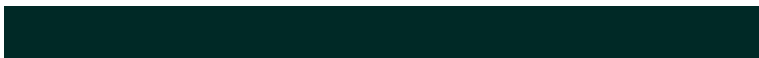
32.7695, 36.8055, 67.0074



12.1208, 13.3921, 14.9924



20.0925, 30.5299, 36.4627



1.1345, 1.7115, 2.0970



# Inverse Universe

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



35.9897, 26.7706, 20.7249



50.5877, 34.3051, 22.4652



41.2226, 37.8849, 20.4702



11.8422, 11.8216, 12.4447



16.2782, 8.3841, 1.1051

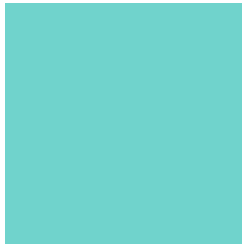


0.9223, 0.4736, 0.1257



# Previews

## White Background



This preview shows how the XYZ color 40.8754, 54.3929, 65.4713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

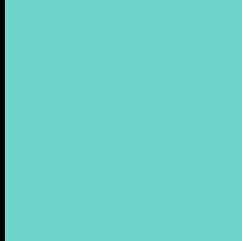
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8754, 54.3929, 65.4713 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

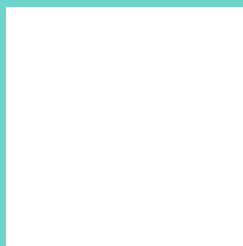
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.8754, 54.3929, 65.4713**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.8754, 54.3929, 65.4713.



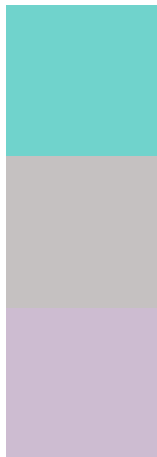
This preview shows how white text looks on a background with the XYZ color 40.8754, 54.3929,



# 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

40.8754, 54.3929, 65.4713

### Protanopia

51.7216, 53.8605, 58.1222

### Deuteranopia

54.6687, 53.5490, 67.7762



## Tritanopia

43.6177, 54.3995, 79.4354

# Trichromacy



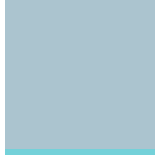
## Original Color

40.8754, 54.3929, 65.4713



## Protanomaly

46.4582, 53.4468, 60.6910



## Deuteranomaly

47.7970, 52.6428, 66.6734



## Tritanomaly

42.5273, 54.3237, 73.8897

# Monochromacy



## Original Color

40.8754, 54.3929, 65.4713



## Achromatopsia

43.9204, 46.2077, 50.3202



## Achromatomaly

41.7452, 48.4413, 55.2940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8754, 54.3929, 65.4713 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(112, 211, 204)` looks like.

```
.text, #text, p{  
    color:rgb(112, 211, 204)  
}
```

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(112, 211, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 211, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8754, 54.3929, 65.4713 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(112, 211, 204) }
```



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

```
.border{ border-color:rgb(112, 211, 204) }
```

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

Here you see how a box with a 4 pixel rgb(112, 211, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 211, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 211, 204);  
box-shadow:4px 4px 4px 4px rgb(112, 211,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8754, 54.3929, 65.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 211, 204) }
```

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

```
.background{ background-color: rgb(112,  
211, 204) }
```

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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