

Converting Colors

XYZ(37.9566, 49.0124, 85.3017)

Have a look what the booklet for
XYZ(37.9566, 49.0124, 85.3017)
contains.

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Color

**XYZ(37.8523, 48.8038,
85.2670)**

Conversions

Conversions Part 1

Format	Color
Hex	40C9EA
RGB	64, 201, 234
RGB Percent	25%, 79%, 92%
CMY	0.7490, 0.2118, 0.0823
CMYK	0.73, 0.14, 0.00, 0.08
HSL	192°, 80%, 58%
HSV	192°, 73%, 92%
XYZ	37.8523, 48.8038, 85.2670
YIQ	163.7990, -92.2450, -18.7810

Conversions

Conversions Part 2

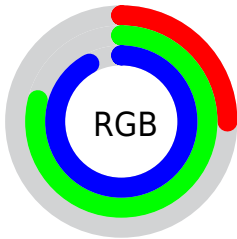
Format	Color
R _{YB}	64, 140, 234
Decimal	4245994
CIE _{Lab}	75.33, -25.80, -26.88
CIE _{LCh}	75, 37.257, 226.183
Yxy	48.8038, 0.2202, 0.2839
Android (android.graphics.Color)	4282436074 (0xFF40C9EA)
YUV	163.7990, 34.6091, -87.5237
Hunter-Lab	69.8597, -25.5373, -23.4644

Details

The XYZ color **37.8523, 48.8038, 85.2670** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **39.1335, 26.4143, 7.8882**, and the grayscale version is **35.0655, 36.8917, 40.1750**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **18.4696, 24.0818, 45.7943** is the 20% darker color. If you saturate the color by 10%, you get **35.5944, 46.0919, 84.8635**, and if you desaturate by 10%, it is **40.7825, 51.9107, 85.7132**.

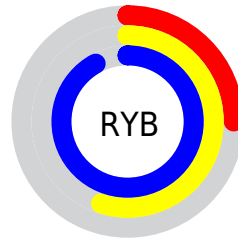
Distribution



Red (25%)

Green (79%)

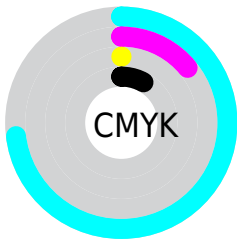
Blue (92%)



Red (25%)

Yellow (55%)

Blue (92%)

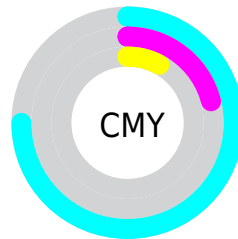


Cyan (73%)

Magenta (14%)

Yellow (0%)

Black (8%)



Cyan (75%)

Magenta (21%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8523, 48.8038, 85.2670 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 37.8523, 48.8038, 85.2670 by changing the saturation by 10% instead.

37.8523, 48.8038,
85.2670

37.8523, 48.8038,
85.2670

328.2778,
381.9694, 532.6788

26.0448, 34.4639,
63.5106

71.1871, 88.4000,
142.6236

16.9900, 23.2502,
45.8108

93.4450, 114.4250,
179.0609

10.3226, 14.7783,
31.7489

119.9171,
145.1139, 221.2290

5.6773, 8.6640,
20.9066

150.9687,
180.8510, 269.5462

2.6886, 4.5227,
12.8651

186.9653,
222.0207, 324.4313

0.9913, 1.9700,
7.2061

228.2721,

0.0000, 0.5900,

269.0074, 386.3027

3.5109

275.2544,
322.1955, 455.5790

■ 0.0000, 0.0000,
1.3611

■ 0.0000, 0.0000,
0.1111

■ 37.8523, 48.8038,
85.2670

■ 37.8523, 48.8038,
85.2670

■ 35.5944, 46.0919,
84.8635

■ 40.7825, 51.9107,
85.7132

■ 33.9180, 43.7249,
84.4950

■ 44.4517, 55.4444,
86.2019

■ 32.9581, 42.1539,
84.2423

■ 48.9232, 59.4391,
86.7373

■ 54.2525, 63.9236,
87.3220

■ 60.4896, 68.9242,
87.9584

■ 67.6809, 74.4650,
88.6489

■ 75.8694, 80.5686,
89.3954

■ 85.0954, 87.2563,
90.2000

■ 87.8094, 90.6364,
90.7094

Harmonies

Analogous

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



34.8527, 48.8038, 64.3604



37.8523, 48.8038, 85.2670



43.3117, 48.8038, 98.8275

Triad

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



37.8523, 48.8038, 85.2670



60.3875, 48.8038, 62.6658



42.8117, 48.8038, 24.5221

Complementary

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



37.8523, 48.8038, 85.2670



39.1335, 26.4143, 7.8882

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.



49.6035, 48.8038, 24.2821



37.8523, 48.8038, 85.2670



60.2198, 48.8038, 43.3042

Square

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



37.8523, 48.8038, 85.2670



56.5537, 48.8038, 83.7661



56.1158, 48.8038, 30.3044



37.5174, 48.8038, 31.0683

Rectangle

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



37.8523, 48.8038, 85.2670



47.8196, 48.8038, 100.1522



56.1158, 48.8038, 30.3044



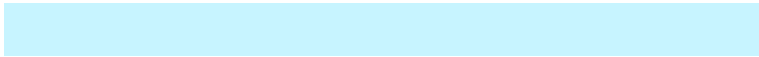
44.9824, 48.8038, 23.7685

Sweetspot

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



37.8539, 48.8056, 85.2682



73.9604, 84.1159, 106.9456



33.6119, 60.7662, 20.8262



15.3608, 17.6341, 22.8441



0.0000, 0.0000, 0.0000



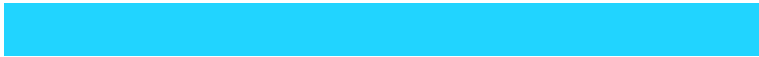
20.3446, 21.4041, 23.3091

Same Dimension

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



37.8539, 48.8056, 85.2682



42.2091, 54.5999, 102.9219



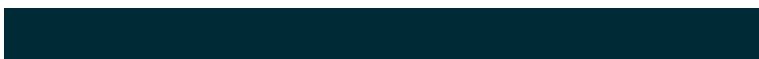
23.4264, 19.9506, 80.4590



15.2548, 16.5960, 19.3216



18.6098, 23.8665, 47.3688



1.5248, 2.0012, 3.7408

Inverse Universe

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



46.3091, 25.3780, 57.7177



53.6634, 27.1062, 64.6475



51.2137, 50.5747, 11.9149



15.5822, 15.2607, 18.3509



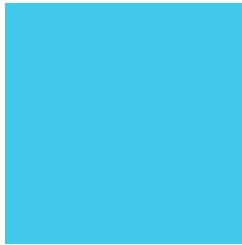
24.2487, 11.9022, 28.1744



1.9362, 0.9474, 2.3812

Previews

White Background



This preview shows how the XYZ color 37.8523, 48.8038, 85.2670 looks on a white background.

Color Contrast Check

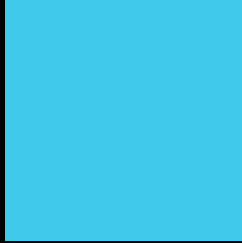
Large Text (above 18pt) WCAG AA × Fail

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 37.8523, 48.8038, 85.2670 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 37.8523, 48.8038, 85.2670

Background



This preview shows how black text looks on a background with the XYZ color 37.8523, 48.8038, 85.2670.

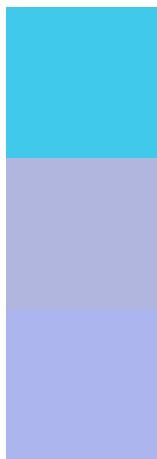


This preview shows how white text looks on a background with the XYZ color 37.8523, 48.8038,

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

37.8523, 48.8038, 85.2670

Protanopia

47.6836, 47.9065, 75.1403

Deuteranopia

49.1901, 48.1050, 87.5815



Tritanopia

35.7955, 48.6634, 75.2165

Trichromacy



Original Color

37.8523, 48.8038, 85.2670



Protanomaly

41.9167, 47.0371, 78.8213



Deuteranomaly

42.9421, 47.0674, 86.9424



Tritanomaly

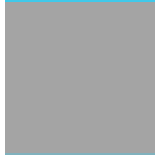
36.4561, 48.5768, 78.6890

Monochromacy



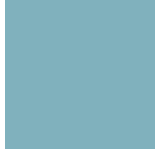
Original Color

37.8523, 48.8038, 85.2670



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.8095, 39.7076, 54.0265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8523, 48.8038, 85.2670 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(64, 201, 234)` looks like.

```
.text, #text, p{  
    color:rgb(64, 201, 234)  
}
```

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(64, 201, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 201, 234) }
```

Border

The CSS property to change the border of an element to XYZ 37.8523, 48.8038, 85.2670 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(64, 201, 234) }
```


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

```
.border{ border-color:rgb(64, 201, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 201, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 201, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 201, 234);  
box-shadow:4px 4px 4px 4px rgb(64, 201,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8523, 48.8038, 85.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 201, 234) }
```

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

```
.background{ background-color: rgb(64, 201,  
234) }
```

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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