

Converting Colors

XYZ(37.5737, 51.2728, 69.9690)

Have a look what the booklet for
XYZ(37.5737, 51.2728, 69.9690)
contains.

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Color

**XYZ(37.5048, 51.0846,
70.1710)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 50CFD4 |
| RGB | 80, 207, 212 |
| RGB Percent | 31%, 81%, 83% |
| CMY | 0.6862, 0.1882, 0.1686 |
| CMYK | 0.62, 0.02, 0.00, 0.17 |
| HSL | 182°, 61%, 57% |
| HSV | 182°, 62%, 83% |
| XYZ | 37.5048, 51.0846, 70.1710 |
| YIQ | 169.5970, -77.2970, -25.3690 |

Conversions

Conversions Part 2

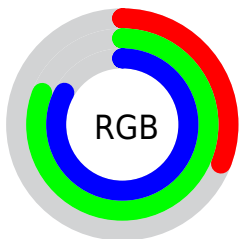
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 80, 145, 212 |
| Decimal | 5296084 |
| CIE _{Lab} | 76.73, -32.96, -12.87 |
| CIE _{LCh} | 77, 35.389, 201.334 |
| Yxy | 51.0846, 0.2362, 0.3218 |
| Android (android.graphics.Color) | 4283486164 (0xFF50CFD4) |
| YUV | 169.5970, 20.9047, -78.5766 |
| Hunter-Lab | 71.4735, -31.4130, -8.1781 |

Details

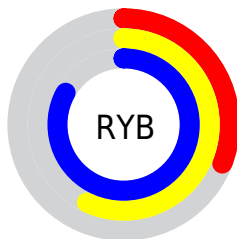
The XYZ color **37.5048, 51.0846, 70.1710** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.8490, 21.0745, 9.9801**, and the grayscale version is **37.9366, 39.9123, 43.4645**.

A 20% lighter version of the original color is **65.1377, 84.5796, 107.5001**, and **17.3140, 24.8908, 35.7901** is the 20% darker color. If you saturate the color by 10%, you get **35.7957, 49.9166, 70.0366**, and if you desaturate by 10%, it is **39.7826, 52.5494, 70.3346**.

Distribution



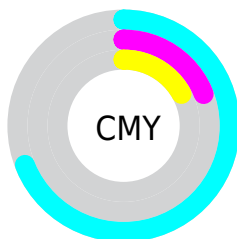
- Red (31%)
- Green (81%)
- Blue (83%)



- Red (31%)
- Yellow (57%)
- Blue (83%)



- Cyan (62%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)



- Cyan (69%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5048, 51.0846, 70.1710 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 37.5048, 51.0846, 70.1710 by changing the saturation by 10% instead.

37.5048, 51.0846,
70.1710

37.5048, 51.0846,
70.1710

326.8086,
390.8924, 479.9555

25.7740, 36.2759,
51.1883

70.6573, 91.7798,
121.1360

16.7865, 24.6474,
35.9807

92.8097, 118.4352,
153.9553

10.1767, 15.8145,
24.1297

119.1668,
149.8082, 192.2240

5.5795, 9.3930,
15.2168

150.0938,
186.2833, 236.3605

2.6293, 4.9984,
8.8234

185.9561,
228.2449, 286.7833

0.9609, 2.2463,
4.5309

227.1191,

0.0000, 0.7451,

276.0773, 343.9111

1.9209

273.9482,
330.1650, 408.1623

■ 0.0000, 0.0000,
0.5060

■ 0.0000, 0.0000,
0.0000

■ 37.5048, 51.0846,
70.1710

■ 37.5048, 51.0846,
70.1710

■ 35.7957, 49.9166,
70.0366

■ 39.7826, 52.5494,
70.3346

■ 34.5953, 49.0113,
69.9251

■ 42.6724, 54.3301,
70.5260

■ 33.8391, 48.3363,
69.8347

■ 46.2187, 56.4508,
70.7484

■ 33.4704, 47.9267,
69.7750

■ 50.4606, 58.9314,
71.0037

■ 55.4341, 61.7908,
71.2934

■ 61.1728, 65.0460,
71.6193

■ 67.7080, 68.7134,
71.9827

■ 75.0696, 72.8082,
72.3851

■ 77.2283, 74.2224,
72.5443

Harmonies

Analogous

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



36.8882, 51.0846, 50.2408



37.5048, 51.0846, 70.1710



40.9342, 51.0846, 89.7333

Triad

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



37.5048, 51.0846, 70.1710



59.3365, 51.0846, 82.0374



50.5236, 51.0846, 26.5157

Complementary

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



37.5048, 51.0846, 70.1710



31.8490, 21.0745, 9.9801

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.



57.0660, 51.0846, 31.4801



37.5048, 51.0846, 70.1710



62.4525, 51.0846, 61.3752

Square

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



37.5048, 51.0846, 70.1710



53.3991, 51.0846, 97.6080



61.5854, 51.0846, 43.2381



44.0119, 51.0846, 27.8239

Rectangle

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



37.5048, 51.0846, 70.1710



44.5426, 51.0846, 98.4664



61.5854, 51.0846, 43.2381



52.8001, 51.0846, 27.4548

Sweetspot

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



37.5064, 51.0865, 70.1722



78.8341, 90.7757, 107.9742



28.4690, 49.4400, 16.5138



16.4301, 19.1733, 23.0848



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.



37.5064, 51.0865, 70.1722



53.6411, 75.2876, 106.3125



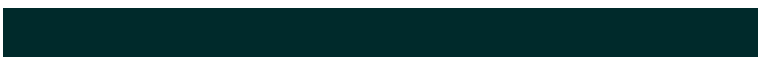
24.8071, 25.6879, 65.9391



12.7500, 14.0234, 15.9723



20.6800, 29.6218, 43.0808



1.2602, 1.8123, 2.6027

Inverse Universe

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



41.2839, 24.2409, 61.5366



59.9650, 31.6609, 91.5607



39.5710, 36.5185, 12.5541



12.9318, 12.6242, 15.5809



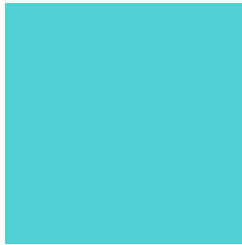
23.4972, 11.3352, 36.2518



1.4237, 0.6863, 2.2207

Previews

White Background



This preview shows how the XYZ color 37.5048, 51.0846, 70.1710 looks on a white background.

Color Contrast Check

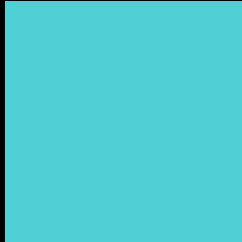
Large Text (above 18pt) WCAG AA × Fail

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 37.5048, 51.0846, 70.1710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

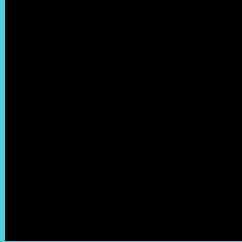
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5048, 51.0846, 70.1710

Background



This preview shows how black text looks on a background with the XYZ color 37.5048, 51.0846, 70.1710.



This preview shows how white text looks on a background with the XYZ color 37.5048, 51.0846,

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

37.5048, 51.0846, 70.1710

Protanopia

48.8182, 50.3555, 61.1794

Deuteranopia

51.1961, 50.0832, 72.6143



Tritanopia

38.7625, 50.8679, 76.8827

Trichromacy



Original Color

37.5048, 51.0846, 70.1710



Protanomaly

42.5853, 49.3328, 64.4044



Deuteranomaly

43.8779, 49.1849, 71.4710



Tritanomaly

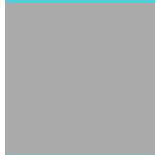
38.2935, 51.0436, 74.1638

Monochromacy



Original Color

37.5048, 51.0846, 70.1710



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.0070, 42.6881, 52.2408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5048, 51.0846, 70.1710 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(80, 207, 212)` looks like.

```
.text, #text, p{  
    color:rgb(80, 207, 212)  
}
```

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(80, 207, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 207, 212) }
```

Border

The CSS property to change the border of an element to XYZ 37.5048, 51.0846, 70.1710 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(80, 207, 212) }
```


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

```
.border{ border-color:rgb(80, 207, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 207, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 207, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 207, 212);  
box-shadow:4px 4px 4px 4px rgb(80, 207,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5048, 51.0846, 70.1710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 207, 212) }
```

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

```
.background{ background-color: rgb(80, 207,  
212) }
```

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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