

Converting Colors

XYZ(37.0731, 51.2187, 71.3957)

Have a look what the booklet for
XYZ(37.0731, 51.2187, 71.3957)
contains.

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Color

**XYZ(37.0774, 51.1957,
71.5459)**

Conversions

Conversions Part 1

Format	Color
Hex	44D0D6
RGB	68, 208, 214
RGB Percent	27%, 82%, 84%
CMY	0.7333, 0.1843, 0.1608
CMYK	0.68, 0.03, 0.00, 0.16
HSL	182°, 64%, 55%
HSV	182°, 68%, 84%
XYZ	37.0774, 51.1957, 71.5459
YIQ	166.8240, -85.3660, -27.8140

Conversions

Conversions Part 2

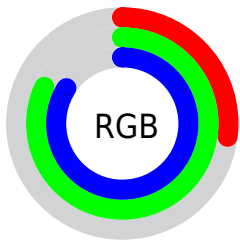
Format	Color
RYB	68, 139, 214
Decimal	4509910
CIELab	76.80, -34.65, -13.88
CIELCh	77, 37.328, 201.829
Yxy	51.1957, 0.2320, 0.3203
Android (android.graphics.Color)	4282699990 (0xFF44D0D6)
YUV	166.8240, 23.2578, -86.6686
Hunter-Lab	71.5512, -32.7169, -9.1998

Details

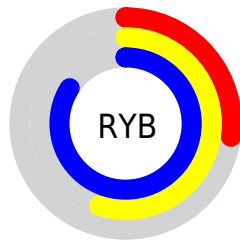
The XYZ color **37.0774, 51.1957, 71.5459** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.2250, 19.6125, 7.6103**, and the grayscale version is **36.5671, 38.4715, 41.8954**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **17.6492, 25.2857, 36.7513** is the 20% darker color. If you saturate the color by 10%, you get **35.6350, 50.1358, 71.4183**, and if you desaturate by 10%, it is **39.0686, 52.5425, 71.7018**.

Distribution



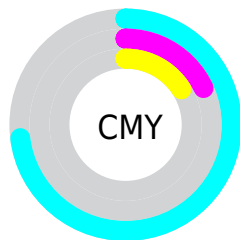
- Red (27%)
- Green (82%)
- Blue (84%)



- Red (27%)
- Yellow (55%)
- Blue (84%)



- Cyan (68%)
- Magenta (3%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0774, 51.1957, 71.5459 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 37.0774, 51.1957, 71.5459 by changing the saturation by 10% instead.

37.0774, 51.1957,
71.5459

37.0774, 51.1957,
71.5459

324.9952,
391.3236, 484.8945

25.4414, 36.3644,
52.3032

70.0049, 91.9440,
123.1124

16.5367, 24.7157,
36.8629

92.0270, 118.6297,
156.2733

9.9980, 15.8654,
24.8064

118.2419,
150.0358, 194.9108

5.4599, 9.4290,
15.7152

149.0149,
186.5464, 239.4433

2.5570, 5.0220,
9.1707

184.7114,
228.5462, 290.2893

0.9241, 2.2602,
4.7543

225.6967,

0.0000, 0.7525,

276.4194, 347.8675

2.0477

272.3362,
330.5504, 412.5964

■ 0.0000, 0.0000,
0.5843

■ 0.0000, 0.0000,
0.0000

■ 37.0774, 51.1957,
71.5459

■ 37.0774, 51.1957,
71.5459

■ 35.6350, 50.1358,
71.4183

■ 39.0686, 52.5425,
71.7018

■ 34.6741, 49.3249,
71.3124

■ 41.6572, 54.1978,
71.8849

■ 34.1042, 48.7173,
71.2252

■ 44.8915, 56.1879,
72.0986

■ 34.0190, 48.6176,
71.2104

■ 48.8139, 58.5343,
72.3448

■ 53.4628, 61.2572,
72.6253

■ 58.8741, 64.3748,
72.9419

■ 65.0812, 67.9045,
73.2960

■ 72.1156, 71.8624,
73.6892

■ 77.9122, 75.1841,
74.0248

Harmonies

Analogous

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



36.3823, 51.1957, 50.3798



37.0774, 51.1957, 71.5459



40.7168, 51.1957, 92.3867

Triad

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



37.0774, 51.1957, 71.5459



60.1752, 51.1957, 83.4998



50.6221, 51.1957, 25.3556

Complementary

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



37.0774, 51.1957, 71.5459



31.2250, 19.6125, 7.6103

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.



57.5743, 51.1957, 30.3522



37.0774, 51.1957, 71.5459



63.4291, 51.1957, 61.4748

Square

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



37.0774, 51.1957, 71.5459



53.9034, 51.1957, 100.3727



62.4337, 51.1957, 42.4580



43.7681, 51.1957, 26.8026

Rectangle

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



37.0774, 51.1957, 71.5459



44.5339, 51.1957, 101.6385



62.4337, 51.1957, 42.4580



53.0334, 51.1957, 26.2833

Sweetspot

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



37.0790, 51.1976, 71.5471



78.0470, 90.2477, 107.9138



27.6300, 49.8025, 14.4384



16.2745, 19.0651, 23.0721



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.



37.0790, 51.1976, 71.5471



52.2524, 73.9589, 106.1293



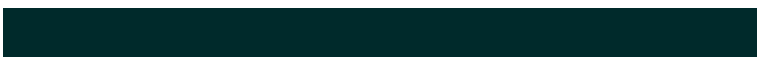
23.3461, 23.7320, 66.9695



12.7464, 14.0163, 15.9711



20.5815, 29.4247, 43.0479



1.2553, 1.8025, 2.6011

Inverse Universe

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



41.1852, 22.9860, 61.9425



58.9105, 29.8851, 90.1815



39.0348, 35.2322, 10.2135



12.9300, 12.6235, 15.5714



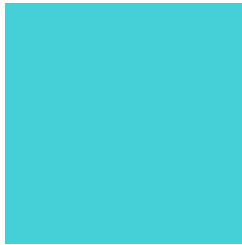
23.4474, 11.3153, 35.9899



1.4212, 0.6853, 2.2076

Previews

White Background



This preview shows how the XYZ color 37.0774, 51.1957, 71.5459 looks on a white background.

Color Contrast Check

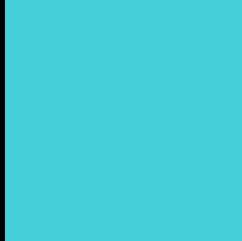
Large Text (above 18pt) WCAG AA × Fail

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 37.0774, 51.1957, 71.5459 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

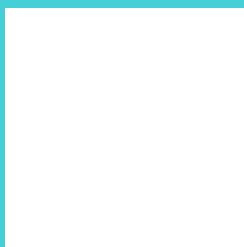
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0774, 51.1957, 71.5459

Background



This preview shows how black text looks on a background with the XYZ color 37.0774, 51.1957, 71.5459.

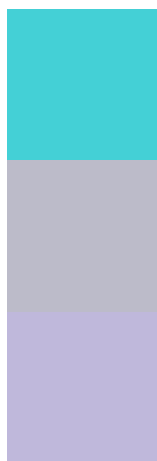


This preview shows how white text looks on a background with the XYZ color 37.0774, 51.1957,

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

37.0774, 51.1957, 71.5459

Protanopia

49.0520, 50.4491, 62.4107

Deuteranopia

51.4125, 50.4718, 74.0501



Tritanopia

38.3798, 51.3698, 77.7046

Trichromacy



Original Color

37.0774, 51.1957, 71.5459



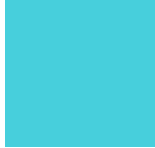
Protanomaly

42.1573, 49.4157, 65.7088



Deuteranomaly

43.4484, 49.2607, 72.8639



Tritanomaly

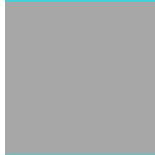
37.8296, 51.1325, 75.5859

Monochromacy



Original Color

37.0774, 51.1957, 71.5459



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.7398, 41.7419, 51.5734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0774, 51.1957, 71.5459 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(68, 208, 214)` looks like.

```
.text, #text, p{  
    color:rgb(68, 208, 214)  
}
```

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(68, 208, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 208, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.0774, 51.1957, 71.5459 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(68, 208, 214) }
```


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

```
.border{ border-color:rgb(68, 208, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 208, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 208, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 208, 214);  
box-shadow:4px 4px 4px 4px rgb(68, 208,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0774, 51.1957, 71.5459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 208, 214) }
```

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

```
.background{ background-color: rgb(68, 208,  
214) }
```

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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