

Converting Colors

XYZ(34.9111, 48.7368, 77.6051)

Have a look what the booklet for
XYZ(34.9111, 48.7368, 77.6051)
contains.

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Color

**XYZ(35.1506, 48.9904,
77.4155)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDDF
RGB	0, 205, 223
RGB Percent	0%, 80%, 87%
CMY	0.9998, 0.1961, 0.1255
CMYK	1.00, 0.08, 0.00, 0.13
HSL	185°, 100%, 44%
HSV	185°, 100%, 87%
XYZ	35.1506, 48.9904, 77.4155
YIQ	145.7570, -127.9580, -37.8620

Conversions

Conversions Part 2

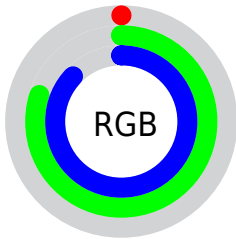
Format	Color
RYB	0, 107, 223
Decimal	52703
CIELab	75.45, -35.27, -20.84
CIELCh	75, 40.964, 210.583
Yxy	48.9904, 0.2176, 0.3032
Android (android.graphics.Color)	4278242783 (0xFF00CDDF)
YUV	145.7570, 38.0808, -127.8289
Hunter-Lab	69.9931, -32.8452, -16.5822

Details

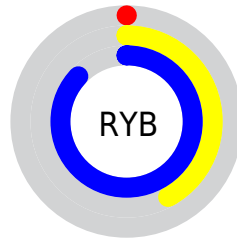
The XYZ color **35.1506, 48.9904, 77.4155** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.6493, 16.1226, 1.4981**, and the grayscale version is **27.1160, 28.5281, 31.0671**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.9742, 24.6398, 40.8544** is the 20% darker color. If you saturate the color by 10%, you get **35.1505, 48.9898, 77.4163**, and if you desaturate by 10%, it is **35.9234, 50.0327, 77.5769**.

Distribution



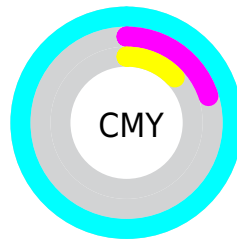
- Red (0%)
- Green (80%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1506, 48.9904, 77.4155 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 35.1506, 48.9904, 77.4155 by changing the saturation by 10% instead.


 35.1506, 48.9904,
77.4155


 35.1506, 48.9904,
77.4155


316.7290,
382.7045, 505.6548


 23.9460, 34.6119,
57.0804


 67.0515, 88.6772,
131.5042


 15.4181, 23.3640,
40.6600


 88.4785, 114.7542,
166.0948

 9.2015, 14.8625,
27.7358


 114.0436,
145.4996, 206.2744

 4.9310, 8.7230,
17.8893

 144.1122,
181.2976, 252.4614

 2.2412, 4.5609,
10.7019

 179.0497,
222.5327, 305.0744

 0.7643, 1.9920,
5.7551

219.2214,

 0.0000, 0.6028,

269.5893, 364.5319

2.6304

264.9927,
322.8518, 431.2525

■ 0.0000, 0.0000,
0.9081

■ 0.0000, 0.0000,
0.0000

■ 35.1506, 48.9904,
77.4155

■ 35.1506, 48.9904,
77.4155

■ 35.1505, 48.9898,
77.4163

■ 35.9234, 50.0327,
77.5769

■ 37.0898, 51.2844,
77.7570

■ 38.7774, 52.8123,
77.9630

■ 41.0582, 54.6533,
78.1981

■ 43.9926, 56.8387,
78.4653

■ 47.6336, 59.3958,
78.7670

■ 52.0287, 62.3492,
79.1054

■ 57.2214, 65.7213,
79.4826

■ 63.2517, 69.5327,
79.9004

Harmonies

Analogous

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



33.5034, 48.9904, 53.7661



35.1506, 48.9904, 77.4155



39.7911, 48.9904, 98.3735

Triad

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



35.1506, 48.9904, 77.4155



60.3890, 48.9904, 76.4806



46.4164, 48.9904, 21.6329

Complementary

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



35.1506, 48.9904, 77.4155



30.6493, 16.1226, 1.4981

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.



54.0647, 48.9904, 24.7037



35.1506, 48.9904, 77.4155



62.6416, 48.9904, 52.9205

Square

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



35.1506, 48.9904, 77.4155



54.3476, 48.9904, 97.7391



60.2136, 48.9904, 34.8615



39.5613, 48.9904, 24.9576

Rectangle

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



35.1506, 48.9904, 77.4155



44.2286, 48.9904, 105.7707



60.2136, 48.9904, 34.8615



48.9800, 48.9904, 21.9402

Sweetspot

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



35.1522, 48.9922, 77.4167



70.3464, 84.3870, 107.1884



26.4743, 52.8107, 9.2470



14.4904, 17.6852, 22.8998



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.



35.1522, 48.9922, 77.4167



47.5908, 66.3017, 104.8969



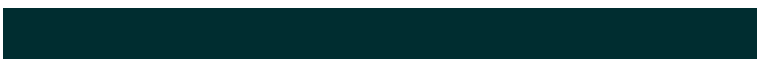
17.5639, 13.8156, 71.5539



14.0170, 15.3731, 17.6162



20.7071, 28.8838, 45.5321



1.4637, 2.0589, 3.1655

Inverse Universe

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



41.4522, 20.0973, 59.4538



56.1509, 27.2243, 80.4495



37.9430, 30.7101, 3.9294



14.2448, 13.9155, 17.0592



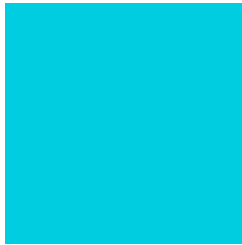
24.3922, 11.8239, 35.0606



1.7051, 0.8253, 2.5057

Previews

White Background



This preview shows how the XYZ color 35.1506, 48.9904, 77.4155 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 35.1506, 48.9904, 77.4155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

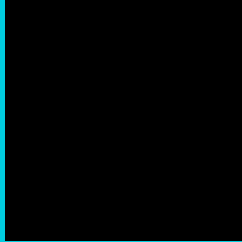
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

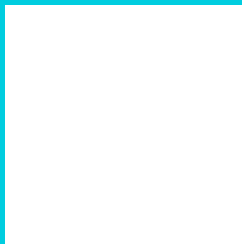
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1506, 48.9904, 77.4155

Background



This preview shows how black text looks on a background with the XYZ color 35.1506, 48.9904, 77.4155.

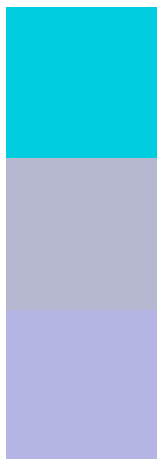


This preview shows how white text looks on a background with the XYZ color 35.1506, 48.9904,

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

35.1506, 48.9904, 77.4155

Protanopia

47.3747, 48.2448, 66.4898

Deuteranopia

49.3499, 48.3525, 80.1307



Tritanopia

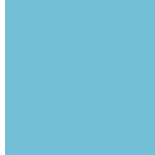
35.0161, 48.9366, 76.7074

Trichromacy



Original Color

35.1506, 48.9904, 77.4155



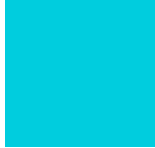
Protanomaly

37.7113, 45.7105, 69.7862



Deuteranomaly

39.2112, 45.9627, 78.7566



Tritanomaly

35.0161, 48.9366, 76.7074

Monochromacy



Original Color

35.1506, 48.9904, 77.4155



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.9729, 33.0206, 45.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1506, 48.9904, 77.4155 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(0, 205, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 223)  
}
```

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(0, 205, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 223) }
```

Border

The CSS property to change the border of an element to XYZ 35.1506, 48.9904, 77.4155 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(0, 205, 223) }
```


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

```
.border{ border-color:rgb(0, 205, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1506, 48.9904, 77.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 223) }
```

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

```
.background{ background-color: rgb(0, 205,  
223) }
```

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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