

Converting Colors

XYZ(33.4078, 48.8895, 66.4002)

Have a look what the booklet for
XYZ(33.4078, 48.8895, 66.4002)
contains.

XYZ(33.5753, 49.1306, 66.7450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.5753, 49.1306,
66.7450)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFCF
RGB	0, 207, 207
RGB Percent	0%, 81%, 81%
CMY	0.9998, 0.1882, 0.1882
CMYK	1.00, 0.00, 0.00, 0.19
HSL	180°, 100%, 41%
HSV	180°, 100%, 81%
XYZ	33.5753, 49.1306, 66.7450
YIQ	145.1070, -123.3720, -43.8840

Conversions

Conversions Part 2

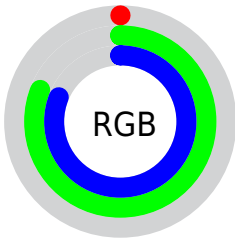
Format	Color
RYB	0, 104, 207
Decimal	53199
CIELab	75.53, -41.08, -12.08
CIELCh	76, 42.824, 196.386
Yxy	49.1306, 0.2247, 0.3287
Android (android.graphics.Color)	4278243279 (0xFF00CFCF)
YUV	145.1070, 30.5132, -127.2588
Hunter-Lab	70.0932, -37.1600, -7.3926

Details

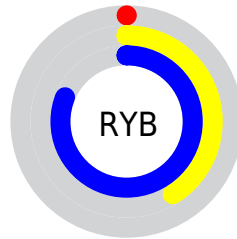
The XYZ color **33.5753, 49.1306, 66.7450** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **25.7337, 13.2670, 1.2059**, and the grayscale version is **26.8795, 28.2793, 30.7961**.

A 20% lighter version of the original color is **59.8734, 81.8658, 107.2538**, and **16.9780, 24.7564, 34.0206** is the 20% darker color. If you saturate the color by 10%, you get **33.5762, 49.1321, 66.7462**, and if you desaturate by 10%, it is **33.8802, 49.2888, 66.7605**.

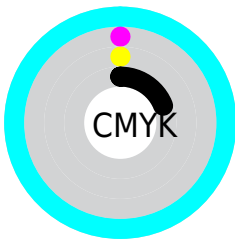
Distribution



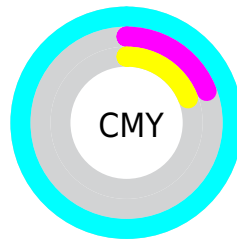
- Red (0%)
- Green (81%)
- Blue (81%)



- Red (0%)
- Yellow (41%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5753, 49.1306, 66.7450 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 33.5753, 49.1306, 66.7450 by changing the saturation by 10% instead.


 33.5753, 49.1306,
66.7450


 33.5753, 49.1306,
66.7450


309.8535,
383.2562, 467.5133


 22.7289, 34.7231,
48.4171


 64.6214, 88.8854,
116.1921


 14.5130, 23.4496,
33.7950


 85.5517, 115.0015,
148.1485


 8.5624, 14.9259,
22.4601


 110.5741,
145.7892, 185.4847

 4.5117, 8.7674,
13.9938

 140.0538,
181.6329, 228.6194

 1.9955, 4.5898,
7.9777

 174.3562,
222.9171, 277.9710

 0.6314, 2.0086,
3.9931

213.8468,

 0.0000, 0.6125,

270.0261, 333.9582

1.6216

258.8907,
323.3444, 396.9995

■ 0.0000, 0.0000,
0.3061

■ 0.0000, 0.0000,
0.0000

■ 33.5753, 49.1306,
66.7450

■ 33.5753, 49.1306,
66.7450

■ 33.5762, 49.1321,
66.7462

■ 33.8802, 49.2888,
66.7605

■ 34.5087, 49.6128,
66.7900

■ 35.5723, 50.1611,
66.8399

■ 37.1304, 50.9643,
66.9129

■ 39.2332, 52.0484,
67.0114

■ 41.9248, 53.4360,
67.1374

■ 45.2448, 55.1475,
67.2929

■ 49.2293, 57.2016,
67.4795

■ 53.9117, 59.6154,
67.6987

Harmonies

Analogous

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



33.4227, 49.1306, 43.8854



33.5753, 49.1306, 66.7450



36.9740, 49.1306, 91.6245

Triad

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



33.5753, 49.1306, 66.7450



58.5942, 49.1306, 89.5079



50.3684, 49.1306, 21.3510

Complementary

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



33.5753, 49.1306, 66.7450



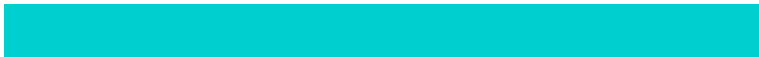
25.7337, 13.2670, 1.2059

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.



57.9910, 49.1306, 27.7541



33.5753, 49.1306, 66.7450



63.0897, 49.1306, 64.4137

Square

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



33.5753, 49.1306, 66.7450



51.1196, 49.1306, 107.0951



62.8573, 49.1306, 42.1258



42.5374, 49.1306, 21.6480

Rectangle

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



33.5753, 49.1306, 66.7450



40.8672, 49.1306, 104.1403



62.8573, 49.1306, 42.1258



53.0568, 49.1306, 22.6916

Sweetspot

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



33.5768, 49.1324, 66.7462



72.2850, 88.2642, 107.8341



22.3576, 44.6497, 7.4413



14.9625, 18.6295, 23.0571



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.



33.5768, 49.1324, 66.7462



53.8097, 78.7399, 106.9684



16.5186, 15.0157, 61.0610



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0518



1.1828, 1.7308, 2.3513

Inverse Universe

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



25.7337, 13.2670, 1.2059



41.2400, 21.2600, 1.9301



30.2978, 22.3950, 2.7272



11.8088, 11.8083, 12.2689



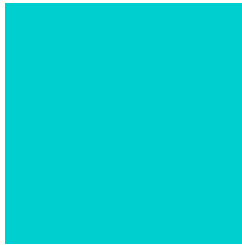
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 33.5753, 49.1306, 66.7450 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 33.5753, 49.1306, 66.7450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

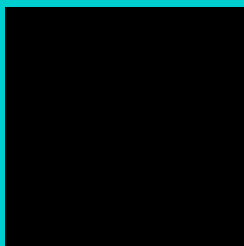
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

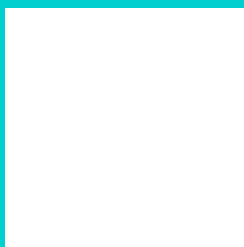
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5753, 49.1306, 66.7450

Background



This preview shows how black text looks on a background with the XYZ color 33.5753, 49.1306, 66.7450.



This preview shows how white text looks on a background with the XYZ color 33.5753, 49.1306,

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

33.5753, 49.1306, 66.7450

Protanopia

47.0158, 48.5703, 57.3491

Deuteranopia

49.3178, 48.2654, 69.6676



Tritanopia

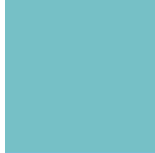
35.6454, 49.2764, 76.0392

Trichromacy



Original Color

33.5753, 49.1306, 66.7450



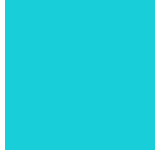
Protanomaly

36.5139, 45.6280, 60.3087



Deuteranomaly

37.9171, 45.5231, 68.4164



Tritanomaly

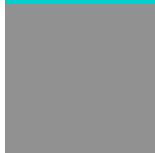
34.8427, 49.2947, 72.6442

Monochromacy



Original Color

33.5753, 49.1306, 66.7450



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.4841, 33.1077, 42.0931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5753, 49.1306, 66.7450 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, 207, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 207)  
}
```

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, 207, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.5753, 49.1306, 66.7450 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, 207, 207) }
```


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

```
.border{ border-color:rgb(0, 207, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5753, 49.1306, 66.7450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 207) }
```

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

```
.background{ background-color: rgb(0, 207,  
207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor