

Converting Colors

XYZ(35.1457, 49.6102, 75.4745)

Have a look what the booklet for
XYZ(35.1457, 49.6102, 75.4745)
contains.

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Color

**XYZ(35.2311, 49.7930,
75.4643)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFDC
RGB	0, 207, 220
RGB Percent	0%, 81%, 86%
CMY	0.9998, 0.1882, 0.1372
CMYK	1.00, 0.06, 0.00, 0.14
HSL	184°, 100%, 43%
HSV	184°, 100%, 86%
XYZ	35.2311, 49.7930, 75.4643
YIQ	146.5890, -127.5450, -39.8410

Conversions

Conversions Part 2

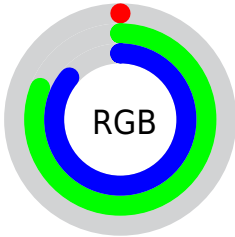
Format	Color
RYB	0, 107, 220
Decimal	53212
CIELab	75.94, -37.13, -18.47
CIELCh	76, 41.474, 206.449
Yxy	49.7930, 0.2195, 0.3103
Android (android.graphics.Color)	4278243292 (0xFF00CFDC)
YUV	146.5890, 36.1916, -128.5586
Hunter-Lab	70.5642, -34.3662, -14.0123

Details

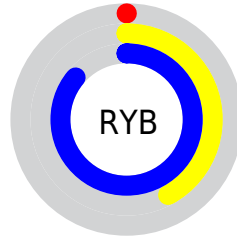
The XYZ color **35.2311, 49.7930, 75.4643** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.6605, 15.5051, 1.4310**, and the grayscale version is **27.4640, 28.8942, 31.4658**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.0198, 25.1731, 39.5065** is the 20% darker color. If you saturate the color by 10%, you get **35.2312, 49.7930, 75.4652**, and if you desaturate by 10%, it is **35.8804, 50.5983, 75.5865**.

Distribution



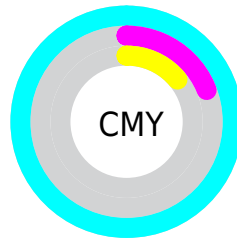
- Red (0%)
- Green (81%)
- Blue (86%)



- Red (0%)
- Yellow (42%)
- Blue (86%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2311, 49.7930, 75.4643 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 35.2311, 49.7930, 75.4643 by changing the saturation by 10% instead.


 35.2311, 49.7930,
75.4643


 35.2311, 49.7930,
75.4643


317.0774,
385.8559, 498.8098


 24.0083, 35.2489,
55.4893


 67.1753, 89.8681,
128.7225


 15.4645, 23.8547,
39.3924


 88.6274, 116.1679,
162.8428


 9.2345, 15.2259,
26.7549


 114.2200,
147.1552, 202.5154

 4.9528, 8.9781,
17.1585

 144.3184,
183.2142, 248.1586

 2.2541, 4.7269,
10.1844

 179.2880,
224.7294, 300.1912

 0.7710, 2.0879,
5.4142

219.4941,

 0.0000, 0.6578,

272.0851, 359.0315

2.4293

265.3021,
325.6658, 425.0982

■ 0.0000, 0.0000,
0.8023

■ 0.0000, 0.0000,
0.0000

■ 35.2311, 49.7930,
75.4643

■ 35.2311, 49.7930,
75.4643

■ 35.2312, 49.7930,
75.4652

■ 35.8804, 50.5983,
75.5865

■ 36.9082, 51.6016,
75.7259

■ 38.4391, 52.8680,
75.8897

■ 40.5424, 54.4335,
76.0810

■ 43.2767, 56.3281,
76.3026

■ 46.6931, 58.5783,
76.5569

■ 50.8377, 61.2078,
76.8460

■ 55.7523, 64.2381,
77.1718

■ 61.4759, 67.6894,
77.5363

Harmonies

Analogous

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



33.9919, 49.7930, 51.6233



35.2311, 49.7930, 75.4643



39.5807, 49.7930, 97.9748

Triad

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



35.2311, 49.7930, 75.4643



60.8212, 49.7930, 81.2988



48.2529, 49.7930, 21.8694

Complementary

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



35.2311, 49.7930, 75.4643



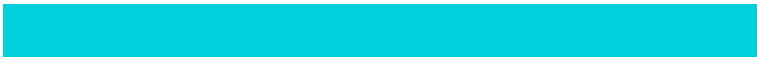
29.6605, 15.5051, 1.4310

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.



56.0227, 49.7930, 25.9227



35.2311, 49.7930, 75.4643



63.7596, 49.7930, 56.8943

Square

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



35.2311, 49.7930, 75.4643



54.2581, 49.7930, 101.9369



61.9154, 49.7930, 37.3853



41.0124, 49.7930, 24.3444

Rectangle

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



35.2311, 49.7930, 75.4643



43.9300, 49.7930, 106.9993



61.9154, 49.7930, 37.3853



50.8942, 49.7930, 22.4771

Sweetspot

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



35.2327, 49.7948, 75.4655



70.8597, 85.4136, 107.3595



25.6549, 51.2117, 8.8508



14.6152, 17.9348, 22.9414



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.



35.2327, 49.7948, 75.4655



49.1895, 69.4991, 105.4298



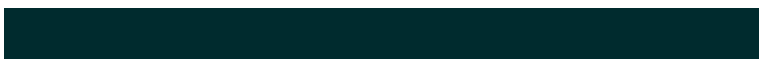
17.3838, 14.0970, 69.5159



13.3755, 14.6908, 16.7828



20.7059, 29.2812, 44.2989



1.3619, 1.9379, 2.8767

Inverse Universe

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



40.7790, 19.7221, 60.6909



56.9578, 27.5471, 84.6988



36.3563, 28.8967, 3.6629



13.5794, 13.2609, 16.3125



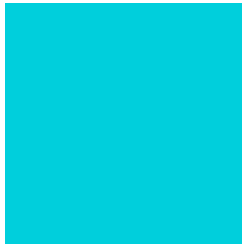
23.9467, 11.5797, 35.6950



1.5617, 0.7543, 2.3669

Previews

White Background



This preview shows how the XYZ color 35.2311, 49.7930, 75.4643 looks on a white background.

Color Contrast Check

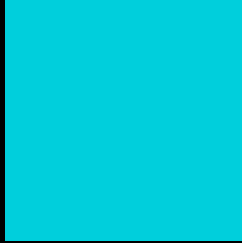
Large Text (above 18pt) WCAG AA × Fail

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 35.2311, 49.7930, 75.4643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

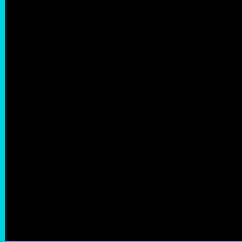
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

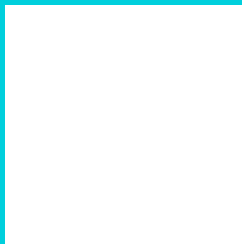
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2311, 49.7930, 75.4643

Background



This preview shows how black text looks on a background with the XYZ color 35.2311, 49.7930, 75.4643.



This preview shows how white text looks on a background with the XYZ color 35.2311, 49.7930,

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

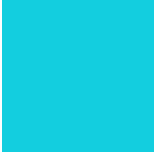
35.2311, 49.7930, 75.4643

Protanopia

47.6884, 48.7560, 64.6550

Deuteranopia

50.2226, 49.1372, 78.7889



Tritanopia

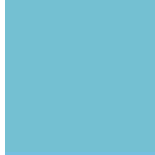
35.6591, 49.6088, 77.5081

Trichromacy



Original Color

35.2311, 49.7930, 75.4643



Protanomaly

37.6850, 46.0654, 67.8781



Deuteranomaly

39.4215, 46.4253, 77.4043



Tritanomaly

35.4077, 49.4947, 76.7945

Monochromacy



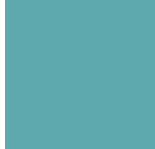
Original Color

35.2311, 49.7930, 75.4643



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.4440, 33.8116, 45.1769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2311, 49.7930, 75.4643 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 220) }
```

Border

The CSS property to change the border of an element to XYZ 35.2311, 49.7930, 75.4643 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, 220) }
```


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

```
.border{ border-color:rgb(0, 207, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2311, 49.7930, 75.4643 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, 220) }
```

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

```
.background{ background-color: rgb(0, 207,  
220) }
```

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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