

Converting Colors

XYZ(33.6635, 48.2642, 78.6140)

Have a look what the booklet for
XYZ(33.6635, 48.2642, 78.6140)
contains.

XYZ(35.4219, 49.0989, 78.8443)	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(35.4219, 49.0989,
78.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDE1
RGB	0, 205, 225
RGB Percent	0%, 80%, 88%
CMY	0.9998, 0.1961, 0.1176
CMYK	1.00, 0.09, 0.00, 0.12
HSL	185°, 100%, 44%
HSV	185°, 100%, 88%
XYZ	35.4219, 49.0989, 78.8443
YIQ	145.9850, -128.6000, -37.2400

Conversions

Conversions Part 2

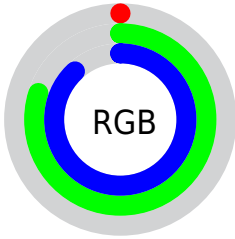
Format	Color
RYB	0, 107, 225
Decimal	52705
CIELab	75.51, -34.64, -21.82
CIELCh	76, 40.934, 212.207
Yxy	49.0989, 0.2168, 0.3005
Android (android.graphics.Color)	4278242785 (0xFF00CDE1)
YUV	145.9850, 38.9544, -128.0288
Hunter-Lab	70.0706, -32.3887, -17.6644

Details

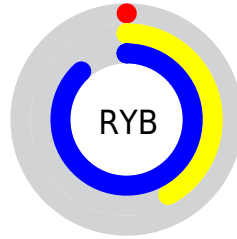
The XYZ color **35.4219, 49.0989, 78.8443** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.3031, 16.5100, 1.5384**, and the grayscale version is **27.2058, 28.6226, 31.1700**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **18.1620, 24.7150, 41.8434** is the 20% darker color. If you saturate the color by 10%, you get **35.4217, 49.0981, 78.8451**, and if you desaturate by 10%, it is **36.2476, 50.2404, 79.0221**.

Distribution



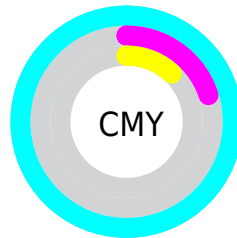
- Red (0%)
- Green (80%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (12%)




- Cyan (100%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4219, 49.0989, 78.8443 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 35.4219, 49.0989, 78.8443 by changing the saturation by 10% instead.


 35.4219, 49.0989,
78.8443


 35.4219, 49.0989,
78.8443


317.9022,
383.1315, 510.6331

 24.1561, 34.6979,
58.2472


 67.4686, 88.8383,
133.5363


 15.5748, 23.4303,
41.5914


 88.9801, 114.9456,
168.4684

 9.3127, 14.9116,
28.4583


 114.6377,
145.7237, 209.0158

 5.0045, 8.7573,
18.4294

 144.8065,
181.5571, 255.5972

 2.2847, 4.5832,
11.0861

 179.8520,
222.8302, 308.6311

 0.7868, 2.0049,
6.0099

220.1396,

 0.0000, 0.6103,

269.9274, 368.5360

2.7822

266.0345,
323.2330, 435.7305

■ 0.0000, 0.0000,
0.9845

■ 0.0000, 0.0000,
0.0000

■ 35.4219, 49.0989,
78.8443

■ 35.4219, 49.0989,
78.8443

■ 35.4217, 49.0981,
78.8451

■ 36.2476, 50.2404,
79.0221

■ 37.4767, 51.5981,
79.2193

■ 39.2389, 53.2397,
79.4433

■ 41.6078, 55.2033,
79.6975

■ 44.6452, 57.5207,
79.9847

■ 48.4052, 60.2199,
80.3075

■ 52.9366, 63.3260,
80.6682

■ 58.2837, 66.8619,
81.0689

■ 64.4874, 70.8488,
81.5115

Harmonies

Analogous

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



33.6028, 49.0989, 55.0786



35.4219, 49.0989, 78.8443



40.2152, 49.0989, 99.3625

Triad

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



35.4219, 49.0989, 78.8443



60.7354, 49.0989, 75.3031



46.1098, 49.0989, 21.7301

Complementary

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



35.4219, 49.0989, 78.8443



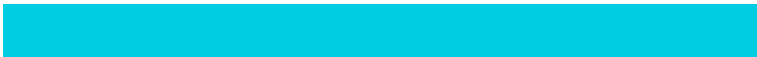
31.3031, 16.5100, 1.5384

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.



53.7745, 49.0989, 24.4535



35.4219, 49.0989, 78.8443



62.7421, 49.0989, 51.8741

Square

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



35.4219, 49.0989, 78.8443



54.8465, 49.0989, 96.9601



60.0709, 49.0989, 34.2091



39.3441, 49.0989, 25.4171

Rectangle

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



35.4219, 49.0989, 78.8443



44.7246, 49.0989, 106.1884



60.0709, 49.0989, 34.2091



48.6649, 49.0989, 21.9246

Sweetspot

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



35.4235, 49.1007, 78.8455



70.1536, 84.0014, 107.1242



27.0421, 53.8978, 9.5852



14.4435, 17.5915, 22.8842



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.



35.4235, 49.1007, 78.8455



46.9995, 65.1191, 104.6998



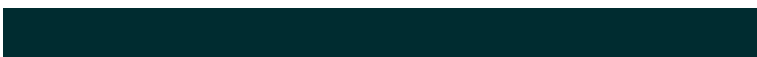
17.5748, 13.4033, 72.8959



14.0069, 15.3530, 17.6129



20.4557, 28.3810, 45.4483



1.4488, 2.0291, 3.1605

Inverse Universe

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



42.0721, 20.4168, 59.4828



55.8524, 27.1050, 78.8778



39.2051, 32.3139, 4.1724



14.2397, 13.9135, 17.0325



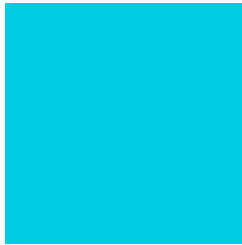
24.2653, 11.7731, 34.3925



1.6976, 0.8223, 2.4662

Previews

White Background



This preview shows how the XYZ color 35.4219, 49.0989, 78.8443 looks on a white background.

Color Contrast Check

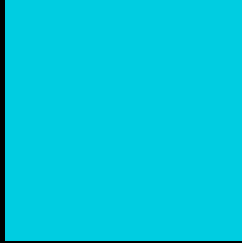
Large Text (above 18pt) WCAG AA × Fail

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 35.4219, 49.0989, 78.8443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

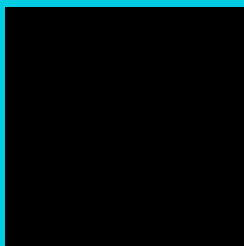
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

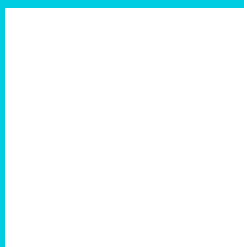
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4219, 49.0989, 78.8443

Background



This preview shows how black text looks on a background with the XYZ color 35.4219, 49.0989, 78.8443.



This preview shows how white text looks on a background with the XYZ color 35.4219, 49.0989,

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

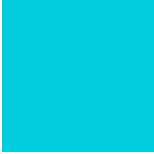
35.4219, 49.0989, 78.8443

Protanopia

47.3887, 48.2234, 67.7832

Deuteranopia

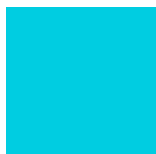
49.3972, 48.3446, 81.5908



Tritanopia

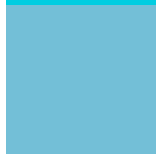
35.0161, 48.9366, 76.7074

Trichromacy



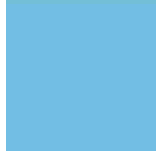
Original Color

35.4219, 49.0989, 78.8443



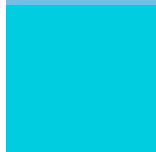
Protanomaly

37.9668, 45.8127, 71.1317



Deuteranomaly

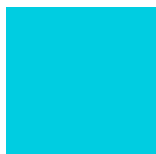
39.3565, 46.0058, 80.2045



Tritanomaly

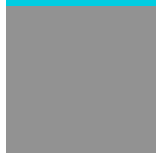
35.1506, 48.9904, 77.4155

Monochromacy



Original Color

35.4219, 49.0989, 78.8443



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.0708, 33.0597, 45.5645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4219, 49.0989, 78.8443 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 225) }
```

Border

The CSS property to change the border of an element to XYZ 35.4219, 49.0989, 78.8443 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, 225) }
```


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

```
.border{ border-color:rgb(0, 205, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4219, 49.0989, 78.8443 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, 225) }
```

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

```
.background{ background-color: rgb(0, 205,  
225) }
```

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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