

Converting Colors

XYZ(33.8537, 49.5381, 67.2985)

Have a look what the booklet for
XYZ(33.8537, 49.5381, 67.2985)
contains.

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Color

**XYZ(33.9410, 49.6658,
67.4721)**

Conversions

Conversions Part 1

Format	Color
Hex	00D0D0
RGB	0, 208, 208
RGB Percent	0%, 82%, 82%
CMY	0.9998, 0.1843, 0.1843
CMYK	1.00, 0.00, 0.00, 0.18
HSL	180°, 100%, 41%
HSV	180°, 100%, 82%
XYZ	33.9410, 49.6658, 67.4721
YIQ	145.8080, -123.9680, -44.0960

Conversions

Conversions Part 2

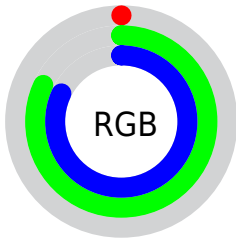
Format	Color
RYB	0, 104, 208
Decimal	53456
CIELab	75.86, -41.23, -12.12
CIELCh	76, 42.979, 196.386
Yxy	49.6658, 0.2247, 0.3287
Android (android.graphics.Color)	4278243536 (0xFF00D0D0)
YUV	145.8080, 30.6607, -127.8736
Hunter-Lab	70.4740, -37.3620, -7.4327

Details

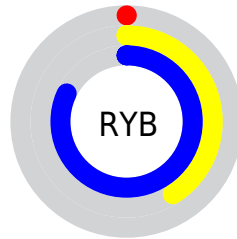
The XYZ color **33.9410, 49.6658, 67.4721** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.0140, 13.4114, 1.2189**, and the grayscale version is **27.1639, 28.5785, 31.1220**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **17.2240, 25.1156, 34.5118** is the 20% darker color. If you saturate the color by 10%, you get **33.9420, 49.6674, 67.4733**, and if you desaturate by 10%, it is **34.2480, 49.8251, 67.4877**.

Distribution



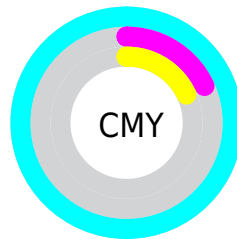
- Red (0%)
- Green (82%)
- Blue (82%)



- Red (0%)
- Yellow (41%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9410, 49.6658, 67.4721 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 33.9410, 49.6658, 67.4721 by changing the saturation by 10% instead.

33.9410, 49.6658,
67.4721

33.9410, 49.6658,
67.4721

311.4594,
385.3576, 470.1705

23.0110, 35.1479,
49.0044

65.1868, 89.6795,
117.2437

14.7223, 23.7768,
34.2573

86.2333, 115.9441,
149.3846

8.7098, 15.1682,
22.8124

111.3826,
146.8931, 186.9204

4.6080, 8.9375,
14.2510

141.0001,
182.9109, 230.2695

2.0515, 4.7004,
8.1547

175.4512,
224.3818, 279.8506

0.6626, 2.0726,
4.1049

215.1012,

0.0000, 0.6491,

271.6903, 336.0821

1.6831

260.3155,
325.2208, 399.3825

■ 0.0000, 0.0000,
0.3491

■ 0.0000, 0.0000,
0.0000

■ 33.9410, 49.6658,
67.4721

■ 33.9410, 49.6658,
67.4721

■ 33.9420, 49.6674,
67.4733

■ 34.2480, 49.8251,
67.4877

■ 34.8824, 50.1522,
67.5175

■ 35.9567, 50.7060,
67.5679

■ 37.5310, 51.5176,
67.6416

■ 39.6563, 52.6132,
67.7412

■ 42.3771, 54.0158,
67.8686

■ 45.7334, 55.7461,
68.0258

■ 49.7618, 57.8228,
68.2144

■ 54.4962, 60.2634,
68.4361

Harmonies

Analogous

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



33.7867, 49.6658, 44.3634



33.9410, 49.6658, 67.4721



37.3767, 49.6658, 92.6227

Triad

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



33.9410, 49.6658, 67.4721



59.2325, 49.6658, 90.4832



50.9172, 49.6658, 21.5835

Complementary

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



33.9410, 49.6658, 67.4721



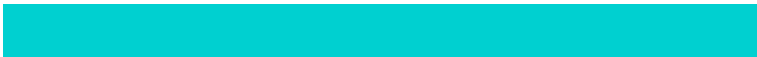
26.0140, 13.4114, 1.2189

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.



58.6228, 49.6658, 28.0564



33.9410, 49.6658, 67.4721



63.7771, 49.6658, 65.1154

Square

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



33.9410, 49.6658, 67.4721



51.6765, 49.6658, 108.2620



63.5421, 49.6658, 42.5846



43.0008, 49.6658, 21.8837

Rectangle

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



33.9410, 49.6658, 67.4721



41.3123, 49.6658, 105.2750



63.5421, 49.6658, 42.5846



53.6348, 49.6658, 22.9387

Sweetspot

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



33.9425, 49.6676, 67.4733



72.2849, 88.2642, 107.8341



22.6008, 45.1360, 7.5222



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.



33.9425, 49.6676, 67.4733



53.8097, 78.7399, 106.9684



16.6950, 15.1723, 61.7251



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.



26.0140, 13.4114, 1.2189



41.2400, 21.2600, 1.9301



30.6244, 22.6321, 2.7556



11.8088, 11.8083, 12.2689



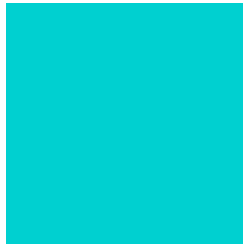
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 33.9410, 49.6658, 67.4721 looks on a white background.

Color Contrast Check

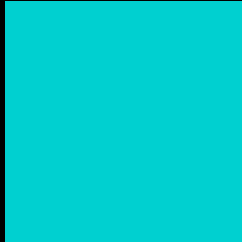
Large Text (above 18pt) WCAG AA × Fail

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 33.9410, 49.6658, 67.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

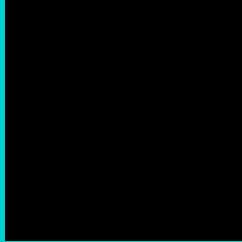
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

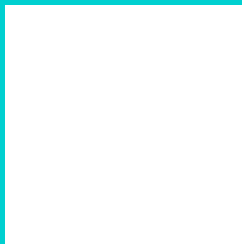
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9410, 49.6658, 67.4721

Background



This preview shows how black text looks on a background with the XYZ color 33.9410, 49.6658, 67.4721.

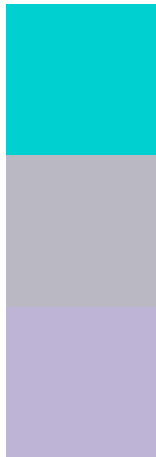


This preview shows how white text looks on a background with the XYZ color 33.9410, 49.6658,

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

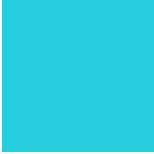
33.9410, 49.6658, 67.4721

Protanopia

47.1278, 48.6151, 57.9387

Deuteranopia

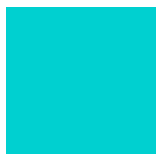
49.8967, 48.8499, 70.4175



Tritanopia

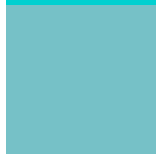
36.1899, 49.8824, 77.5329

Trichromacy



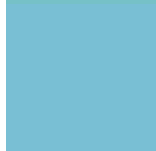
Original Color

33.9410, 49.6658, 67.4721



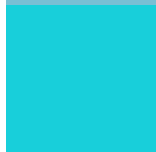
Protanomaly

36.8500, 46.1150, 60.9917



Deuteranomaly

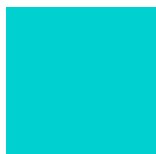
38.3996, 46.0800, 69.1578



Tritanomaly

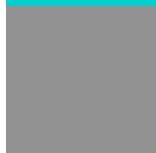
35.3444, 49.8818, 74.0950

Monochromacy



Original Color

33.9410, 49.6658, 67.4721



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.8636, 33.5677, 42.6522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9410, 49.6658, 67.4721 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, 208, 208)` looks like.

```
.text, #text, p{
  color:rgb(0, 208, 208)
}
```

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, 208, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 208) }
```

Border

The CSS property to change the border of an element to XYZ 33.9410, 49.6658, 67.4721 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, 208, 208) }
```


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

```
.border{ border-color:rgb(0, 208, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9410, 49.6658, 67.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 208) }
```

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

```
.background{ background-color: rgb(0, 208,  
208) }
```

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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