

Converting Colors

XYZ(33.8578, 48.6953, 69.4709)

Have a look what the booklet for
XYZ(33.8578, 48.6953, 69.4709)
contains.

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Color

**XYZ(33.9168, 48.8909,
69.2773)**

Conversions

Conversions Part 1

Format	Color
Hex	07CED3
RGB	7, 206, 211
RGB Percent	3%, 81%, 83%
CMY	0.9723, 0.1921, 0.1725
CMYK	0.97, 0.02, 0.00, 0.17
HSL	181°, 94%, 43%
HSV	181°, 97%, 83%
XYZ	33.9168, 48.8909, 69.2773
YIQ	147.0690, -120.2090, -40.6330

Conversions

Conversions Part 2

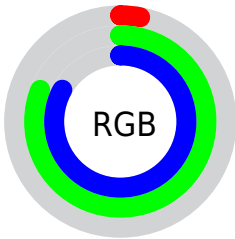
Format	Color
RYB	7, 108, 211
Decimal	511699
CIELab	75.38, -39.25, -14.46
CIELCh	75, 41.827, 200.226
Yxy	48.8909, 0.2230, 0.3215
Android (android.graphics.Color)	4278701779 (0xFF07CED3)
YUV	147.0690, 31.5180, -122.8405
Hunter-Lab	69.9220, -35.7793, -9.7979

Details

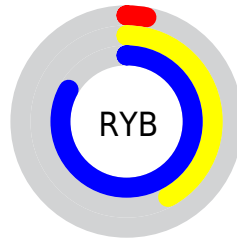
The XYZ color **33.9168, 48.8909, 69.2773** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.0351, 14.1287, 1.5047**, and the grayscale version is **27.6780, 29.1194, 31.7110**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.1524, 24.5675, 35.7363** is the 20% darker color. If you saturate the color by 10%, you get **33.7885, 48.7640, 69.2605**, and if you desaturate by 10%, it is **34.4378, 49.3456, 69.3385**.

Distribution



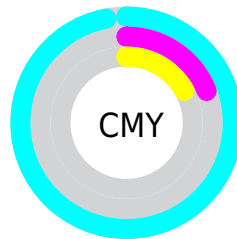
- Red (3%)
- Green (81%)
- Blue (83%)



- Red (3%)
- Yellow (42%)
- Blue (83%)



- Cyan (97%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)





- Cyan (97%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9168, 48.8909, 69.2773 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 33.9168, 48.8909, 69.2773 by changing the saturation by 10% instead.


 33.9168, 48.8909,
69.2773


 33.9168, 48.8909,
69.2773


311.3534,
382.3127, 476.7288


 22.9923, 34.5329,
50.4644


 65.1494, 88.5294,
119.8490


 14.7085, 23.3033,
35.4088


 86.1882, 114.5787,
152.4449


 8.7000, 14.8176,
23.6919


 111.3292,
145.2940, 190.4722

 4.6016, 8.6915,
14.8951

 140.9376,
181.0595, 234.3494

 2.0478, 4.5405,
8.6000

 175.3789,
222.2598, 284.4952

 0.6606, 1.9803,
4.3880

215.0184,

 0.0000, 0.5960,

269.2791, 341.3279

1.8405

260.2214,
322.5019, 405.2663

■ 0.0000, 0.0000,
0.4545

■ 0.0000, 0.0000,
0.0000

■ 33.9168, 48.8909,
69.2773

■ 33.9168, 48.8909,
69.2773

■ 33.7885, 48.7640,
69.2605

■ 34.4378, 49.3456,
69.3385

■ 35.3587, 50.0061,
69.4175

■ 36.7566, 50.9131,
69.5189

■ 38.6904, 52.0970,
69.6455

■ 41.2102, 53.5836,
69.7996

■ 44.3606, 55.3958,
69.9833

■ 48.1817, 57.5544,
70.1986

■ 52.7104, 60.0785,
70.4471

■ 57.9808, 62.9855,
70.7304

Harmonies

Analogous

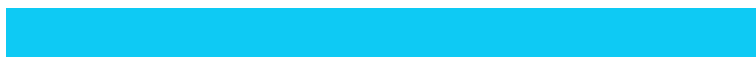
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.3542, 48.8909, 46.3559



33.9168, 48.8909, 69.2773



37.6274, 48.8909, 92.9185

Triad

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



33.9168, 48.8909, 69.2773



58.8006, 48.8909, 85.2247



49.0281, 48.8909, 21.4306

Complementary

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



33.9168, 48.8909, 69.2773



27.0351, 14.1287, 1.5047

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.



56.5980, 48.8909, 26.8457



33.9168, 48.8909, 69.2773



62.6378, 48.8909, 60.7606

Square

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



33.9168, 48.8909, 69.2773



51.7773, 48.8909, 103.7481



61.7900, 48.8909, 39.8808



41.5371, 48.8909, 22.5390

Rectangle

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



33.9168, 48.8909, 69.2773



41.6389, 48.8909, 103.9264



61.7900, 48.8909, 39.8808



51.6597, 48.8909, 22.4746

Sweetspot

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



33.9183, 48.8927, 69.2785



72.3023, 87.4189, 107.6705



23.4401, 46.6576, 8.0706



14.9326, 18.4045, 23.0153



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.



33.9183, 48.8927, 69.2785



51.8485, 74.8171, 106.3162



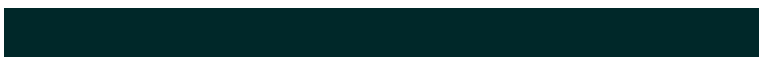
16.9620, 14.9801, 63.6264



12.1325, 13.3553, 15.1820



20.4027, 29.4520, 41.8020



1.1488, 1.6628, 2.3400

Inverse Universe

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



38.0818, 18.4585, 59.9500



58.2999, 28.0840, 91.7665



32.7442, 25.5470, 3.4077



12.2978, 12.0039, 14.8439



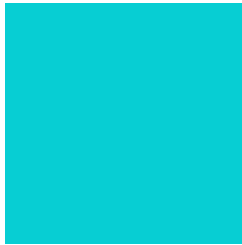
22.9291, 11.0445, 36.1283



1.2861, 0.6192, 2.0414

Previews

White Background



This preview shows how the XYZ color 33.9168, 48.8909, 69.2773 looks on a white background.

Color Contrast Check

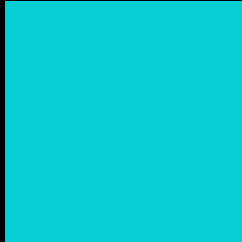
Large Text (above 18pt) WCAG AA × Fail

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 33.9168, 48.8909, 69.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

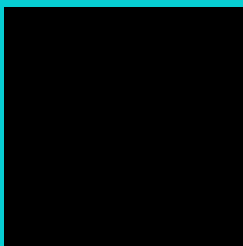
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

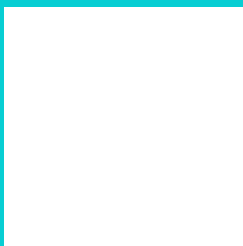
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9168, 48.8909, 69.2773

Background



This preview shows how black text looks on a background with the XYZ color 33.9168, 48.8909, 69.2773.



This preview shows how white text looks on a background with the XYZ color 33.9168, 48.8909,

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

33.9168, 48.8909, 69.2773

Protanopia

46.7787, 48.0885, 59.6398

Deuteranopia

49.0953, 48.0914, 72.3406



Tritanopia

35.2397, 48.7133, 75.9519

Trichromacy



Original Color

33.9168, 48.8909, 69.2773



Protanomaly

37.0372, 45.5189, 62.7111



Deuteranomaly

38.3485, 45.3664, 71.0254



Tritanomaly

34.7091, 48.8546, 73.2462

Monochromacy



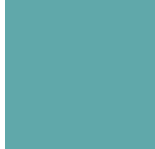
Original Color

33.9168, 48.8909, 69.2773



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.0822, 33.3943, 43.1013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9168, 48.8909, 69.2773 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(7, 206, 211)` looks like.

```
.text, #text, p{  
    color:rgb(7, 206, 211)  
}
```

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(7, 206, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 206, 211) }
```

Border

The CSS property to change the border of an element to XYZ 33.9168, 48.8909, 69.2773 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(7, 206, 211) }
```


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

```
.border{ border-color:rgb(7, 206, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 206, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 206, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 206, 211);  
box-shadow:4px 4px 4px 4px rgb(7, 206,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9168, 48.8909, 69.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 206, 211) }
```

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

```
.background{ background-color: rgb(7, 206,  
211) }
```

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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