

Converting Colors

XYZ(35.0525, 51.1845, 69.4542)

Have a look what the booklet for
XYZ(35.0525, 51.1845, 69.4542)
contains.

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Color

**XYZ(35.1648, 51.3498,
69.6861)**

Conversions

Conversions Part 1

Format	Color
Hex	09D3D3
RGB	9, 211, 211
RGB Percent	4%, 83%, 83%
CMY	0.9645, 0.1725, 0.1725
CMYK	0.96, 0.00, 0.00, 0.17
HSL	180°, 92%, 43%
HSV	180°, 96%, 83%
XYZ	35.1648, 51.3498, 69.6861
YIQ	150.6020, -120.3920, -42.8240

Conversions

Conversions Part 2

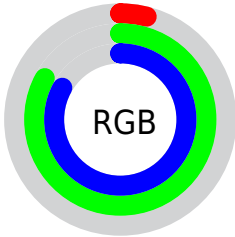
Format	Color
RYB	9, 110, 211
Decimal	644051
CIELab	76.89, -41.45, -12.20
CIELCh	77, 43.204, 196.402
Yxy	51.3498, 0.2251, 0.3287
Android (android.graphics.Color)	4278834131 (0xFF09D3D3)
YUV	150.6020, 29.7762, -124.1850
Hunter-Lab	71.6588, -37.8083, -7.4967

Details

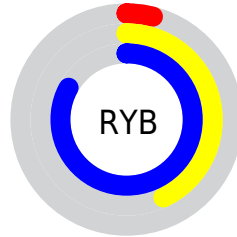
The XYZ color **35.1648, 51.3498, 69.6861** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.0127, 14.0656, 1.5511**, and the grayscale version is **29.1661, 30.6850, 33.4159**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **17.9743, 26.2113, 36.0102** is the 20% darker color. If you saturate the color by 10%, you get **35.0531, 51.2933, 69.6820**, and if you desaturate by 10%, it is **35.5929, 51.5716, 69.7074**.

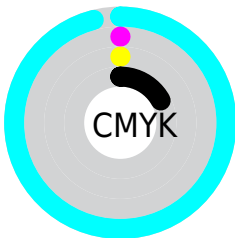
Distribution



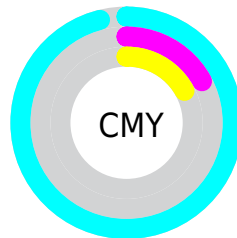
- Red (4%)
- Green (83%)
- Blue (83%)



- Red (4%)
- Yellow (43%)
- Blue (83%)



- Cyan (96%)
- Magenta (0%)
- Yellow (0%)
- Black (17%)



- Cyan (96%)
- Magenta (17%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1648, 51.3498, 69.6861 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 35.1648, 51.3498, 69.6861 by changing the saturation by 10% instead.

35.1648, 51.3498,
69.6861

35.1648, 51.3498,
69.6861

316.7904,
391.9213, 478.2064

23.9570, 36.4871,
50.7954

67.0733, 92.1716,
120.4379

15.4263, 24.8106,
35.6702

88.5047, 118.8995,
153.1362

9.2073, 15.9360,
23.8920

114.0747,
150.3512, 191.2740

4.9349, 9.4789,
15.0420

144.1486,
186.9112, 235.2700

2.2435, 5.0548,
8.7019

179.0917,
228.9638, 285.5427

0.7655, 2.2795,
4.4531

219.2695,

0.0000, 0.7628,

276.8934, 342.5107

1.8771

265.0473,
331.0845, 406.5924

■ 0.0000, 0.0000,
0.4781

■ 0.0000, 0.0000,
0.0000

■ 35.1648, 51.3498,
69.6861

■ 35.1648, 51.3498,
69.6861

■ 35.0531, 51.2933,
69.6820

■ 35.5929, 51.5716,
69.7074

■ 36.4310, 52.0036,
69.7468

■ 37.7518, 52.6845,
69.8087

■ 39.6131, 53.6441,
69.8959

■ 42.0644, 54.9078,
70.0108

■ 45.1499, 56.4984,
70.1553

■ 48.9093, 58.4364,
70.3313

■ 53.3792, 60.7408,
70.5407

■ 58.5936, 63.4289,
70.7848

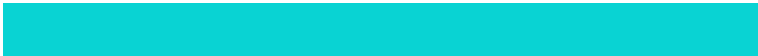
Harmonies

Analogous

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



35.0042, 51.3498, 45.9334



35.1648, 51.3498, 69.6861



38.7019, 51.3498, 95.4983

Triad

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



35.1648, 51.3498, 69.6861



61.1657, 51.3498, 93.2787



52.6161, 51.3498, 22.4550

Complementary

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



35.1648, 51.3498, 69.6861



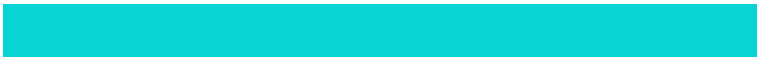
27.0127, 14.0656, 1.5511

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.



60.5324, 51.3498, 29.1275



35.1648, 51.3498, 69.6861



65.8298, 51.3498, 67.2385

Square

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



35.1648, 51.3498, 69.6861



53.4051, 51.3498, 111.5200



65.5859, 51.3498, 44.0828



44.4797, 51.3498, 22.7684

Rectangle

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



35.1648, 51.3498, 69.6861



42.7509, 51.3498, 108.4704



65.5859, 51.3498, 44.0828



55.4084, 51.3498, 23.8523

Sweetspot

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



35.1664, 51.3517, 69.6873



72.8777, 88.5698, 107.8618



23.5021, 46.6911, 8.0334



15.0738, 18.6869, 23.0623



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.



35.1664, 51.3517, 69.6873



53.8096, 78.7399, 106.9681



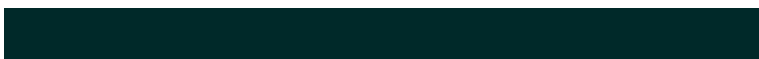
17.8205, 16.6596, 63.9065



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0517



1.1828, 1.7308, 2.3513

Inverse Universe

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



27.0127, 14.0656, 1.5511



41.2400, 21.2600, 1.9301



32.1368, 24.3138, 3.2591



11.8088, 11.8083, 12.2689



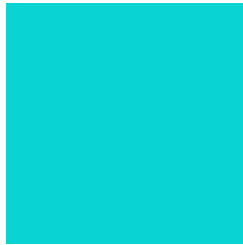
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 35.1648, 51.3498, 69.6861 looks on a white background.

Color Contrast Check

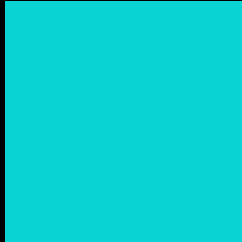
Large Text (above 18pt) WCAG AA × Fail

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 35.1648, 51.3498, 69.6861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

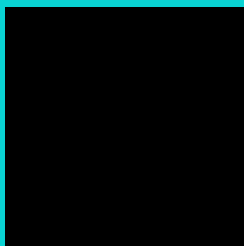
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

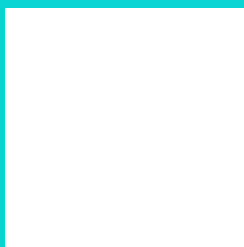
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.1648, 51.3498, 69.6861

Background



This preview shows how black text looks on a background with the XYZ color 35.1648, 51.3498, 69.6861.

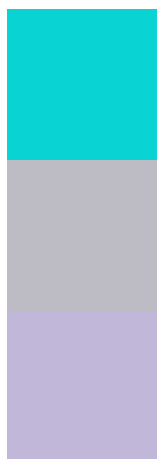


This preview shows how white text looks on a background with the XYZ color 35.1648, 51.3498,

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

35.1648, 51.3498, 69.6861

Protanopia

48.7204, 50.3450, 59.3743

Deuteranopia

51.6572, 50.6282, 72.6952



Tritanopia

37.3646, 51.5233, 79.9272

Trichromacy



Original Color

35.1648, 51.3498, 69.6861



Protanomaly

38.5947, 47.9820, 62.4856



Deuteranomaly

40.1617, 47.9255, 71.4238



Tritanomaly

36.5766, 51.5605, 76.4310

Monochromacy



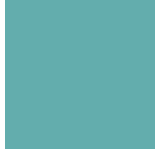
Original Color

35.1648, 51.3498, 69.6861



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.6320, 35.5569, 44.9420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1648, 51.3498, 69.6861 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(9, 211, 211)` looks like.

```
.text, #text, p{  
    color:rgb(9, 211, 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(9, 211, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 211, 211) }
```

Border

The CSS property to change the border of an element to XYZ 35.1648, 51.3498, 69.6861 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(9, 211, 211) }
```


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

```
.border{ border-color:rgb(9, 211, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 211, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 211, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 211, 211);  
box-shadow:4px 4px 4px 4px rgb(9, 211,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1648, 51.3498, 69.6861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 211, 211) }
```

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

```
.background{ background-color: rgb(9, 211,  
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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