

Converting Colors

XYZ(35.7045, 50.9255, 68.2627)

Have a look what the booklet for
XYZ(35.7045, 50.9255, 68.2627)
contains.

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Color

**XYZ(35.7253, 50.9344,
68.2700)**

Conversions

Conversions Part 1

Format	Color
Hex	34D1D1
RGB	52, 209, 209
RGB Percent	20%, 82%, 82%
CMY	0.7960, 0.1804, 0.1804
CMYK	0.75, 0.00, 0.00, 0.18
HSL	180°, 63%, 51%
HSV	180°, 75%, 82%
XYZ	35.7253, 50.9344, 68.2700
YIQ	162.0570, -93.5720, -33.2840

Conversions

Conversions Part 2

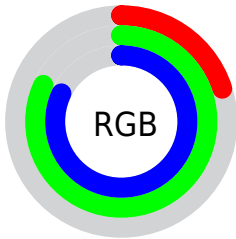
Format	Color
RYB	52, 131, 209
Decimal	3461585
CIELab	76.64, -38.47, -11.46
CIELCh	77, 40.136, 196.586
Yxy	50.9344, 0.2306, 0.3288
Android (android.graphics.Color)	4281651665 (0xFF34D1D1)
YUV	162.0570, 23.1429, -96.5200
Hunter-Lab	71.3683, -35.5417, -6.7582

Details

The XYZ color **35.7253, 50.9344, 68.2700** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.1441, 16.2610, 4.9059**, and the grayscale version is **34.2981, 36.0843, 39.2958**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **17.4720, 25.4778, 35.0072** is the 20% darker color. If you saturate the color by 10%, you get **34.8784, 50.4989, 68.2314**, and if you desaturate by 10%, it is **37.0511, 51.6190, 68.3333**.

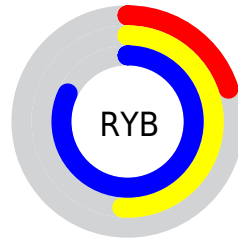
Distribution



Red (20%)

Green (82%)

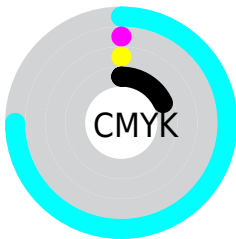
Blue (82%)



Red (20%)

Yellow (51%)

Blue (82%)

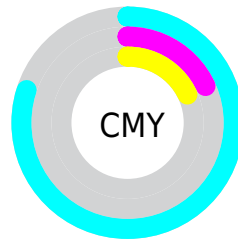


Cyan (75%)

Magenta (0%)

Yellow (0%)

Black (18%)



Cyan (80%)


Magenta (18%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7253, 50.9344, 68.2700 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 35.7253, 50.9344, 68.2700 by changing the saturation by 10% instead.


 35.7253, 50.9344,
68.2700


 35.7253, 50.9344,
68.2700


319.2105,
390.3089, 473.0761


 24.3912, 36.1564,
49.6494


 67.9345, 91.5578,
118.3962


 15.7504, 24.5550,
34.7656

 89.5404, 118.1720,
150.7388

 9.4374, 15.7458,
23.2003


 115.3009,
149.5004, 188.4925

 5.0870, 9.3445,
14.5348

 145.5814,
185.9273, 232.0758

 2.3337, 4.9666,
8.3506

 180.7472,
227.8373, 281.9073

 0.8118, 2.2276,
4.2291

221.1638,

 0.0000, 0.7350,

275.6146, 338.4055

1.7519

267.1964,
329.6436, 401.9889

■ 0.0000, 0.0000,
0.3959

■ 0.0000, 0.0000,
0.0000

■ 35.7253, 50.9344,
68.2700

■ 35.7253, 50.9344,
68.2700

■ 34.8784, 50.4989,
68.2314

■ 37.0511, 51.6190,
68.3333

■ 34.4378, 50.2718,
68.2106

■ 38.9071, 52.5758,
68.4203

■ 34.3099, 50.2059,
68.2046

■ 41.3427, 53.8314,
68.5344

■ 44.4009, 55.4079,
68.6777

■ 48.1202, 57.3253,
68.8519

■ 52.5363, 59.6019,
69.0587

■ 57.6821, 62.2546,
69.2996

■ 63.5885, 65.2995,
69.5762

■ 70.2847, 68.7515,
69.8897

Harmonies

Analogous

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



35.5547, 50.9344, 46.3146



35.7253, 50.9344, 68.2700



39.0559, 50.9344, 91.7098

Triad

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



35.7253, 50.9344, 68.2700



59.8090, 50.9344, 89.4399



51.8777, 50.9344, 23.9217

Complementary

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



35.7253, 50.9344, 68.2700



28.1441, 16.2610, 4.9059

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.



59.1534, 50.9344, 30.2953



35.7253, 50.9344, 68.2700



64.0452, 50.9344, 65.7340

Square

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



35.7253, 50.9344, 68.2700



52.6995, 50.9344, 105.9519



63.7935, 50.9344, 44.3600



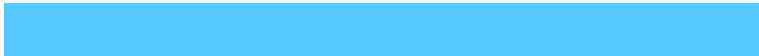
44.3628, 50.9344, 24.2654

Rectangle

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



35.7253, 50.9344, 68.2700



42.8394, 50.9344, 103.3516



63.7935, 50.9344, 44.3600



54.4473, 50.9344, 25.2601

Sweetspot

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



35.7268, 50.9363, 68.2712



76.6660, 90.5227, 108.0392



24.9767, 46.6522, 10.9387



15.9112, 19.1186, 23.1015



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.



35.7268, 50.9363, 68.2712



54.2230, 78.9529, 106.9875



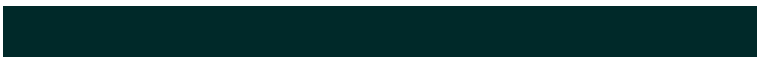
21.3304, 22.1432, 63.4733



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0516



1.1828, 1.7308, 2.3513

Inverse Universe

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



28.1441, 16.2610, 4.9059



41.7794, 22.0492, 3.0023



34.6205, 29.2139, 7.0645



11.8088, 11.8083, 12.2689



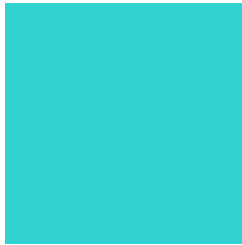
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 35.7253, 50.9344, 68.2700 looks on a white background.

Color Contrast Check

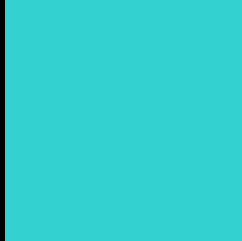
Large Text (above 18pt) WCAG AA × Fail

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 35.7253, 50.9344, 68.2700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

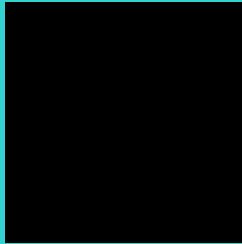
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

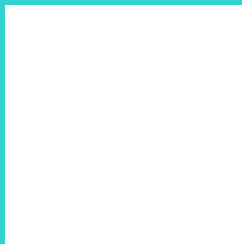
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7253, 50.9344, 68.2700

Background



This preview shows how black text looks on a background with the XYZ color 35.7253, 50.9344, 68.2700.

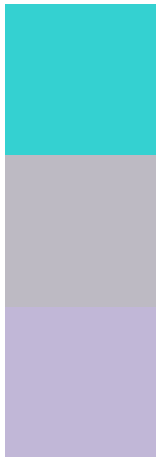


This preview shows how white text looks on a background with the XYZ color 35.7253, 50.9344,

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

35.7253, 50.9344, 68.2700

Protanopia

48.3955, 49.8768, 58.7062

Deuteranopia

51.1915, 50.1107, 71.2642



Tritanopia

37.7540, 51.0316, 78.3812

Trichromacy



Original Color

35.7253, 50.9344, 68.2700



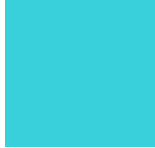
Protanomaly

40.3646, 48.2427, 61.8279



Deuteranomaly

42.0152, 48.2542, 70.0503



Tritanomaly

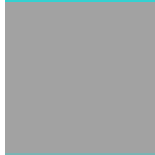
37.0870, 51.1258, 74.9314

Monochromacy



Original Color

35.7253, 50.9344, 68.2700



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.2828, 39.6324, 48.5962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7253, 50.9344, 68.2700 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(52, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(52, 209, 209)  
}
```

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(52, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 209, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.7253, 50.9344, 68.2700 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(52, 209, 209) }
```


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

```
.border{ border-color:rgb(52, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(52, 209,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7253, 50.9344, 68.2700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 209, 209) }
```

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

```
.background{ background-color: rgb(52, 209,  
209) }
```

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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