

Converting Colors

XYZ(35.8929, 52.5366, 49.8438)

Have a look what the booklet for
XYZ(35.8929, 52.5366, 49.8438)
contains.

XYZ(35.8929, 52.5366, 49.8438)	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(35.8929, 52.5366,
49.8438)**

Conversions

Conversions Part 1

Format	Color
Hex	5CD4B1
RGB	92, 212, 177
RGB Percent	36%, 83%, 69%
CMY	0.6392, 0.1686, 0.3059
CMYK	0.57, 0.00, 0.17, 0.17
HSL	162°, 58%, 60%
HSV	162°, 57%, 83%
XYZ	35.8929, 52.5366, 49.8438
YIQ	172.1300, -60.2850, -36.3250

Conversions

Conversions Part 2

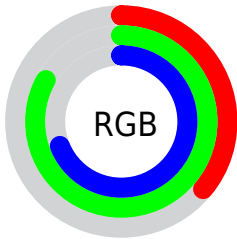
Format	Color
RYB	92, 162, 212
Decimal	6083761
CIELab	77.60, -42.05, 7.24
CIELCh	78, 42.665, 170.229
Yxy	52.5366, 0.2596, 0.3799
Android (android.graphics.Color)	4284273841 (0xFF5CD4B1)
YUV	172.1300, 2.4009, -70.2740
Hunter-Lab	72.4821, -38.4512, 9.9655

Details

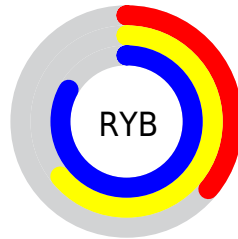
The XYZ color **35.8929, 52.5366, 49.8438** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **34.8110, 23.1849, 22.7209**, and the grayscale version is **39.2898, 41.3359, 45.0148**.

A 20% lighter version of the original color is **63.2305, 83.9825, 89.9684**, and **15.8921, 25.6707, 23.1861** is the 20% darker color. If you saturate the color by 10%, you get **33.4619, 51.3543, 46.5859**, and if you desaturate by 10%, it is **38.9473, 54.0397, 53.2790**.

Distribution



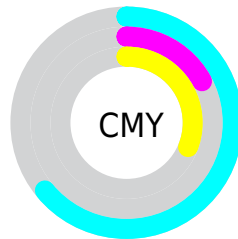
- Red (36%)
- Green (83%)
- Blue (69%)



- Red (36%)
- Yellow (64%)
- Blue (83%)



- Cyan (57%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)





- Cyan (64%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8929, 52.5366, 49.8438 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 35.8929, 52.5366, 49.8438 by changing the saturation by 10% instead.


 35.8929, 52.5366,
49.8438


 35.8929, 52.5366,
49.8438


319.9316,
396.5047, 402.7723


 24.5212, 37.4330,
34.9190


 68.1917, 93.9221,
91.3373


 15.8475, 25.5429,
23.3174


 89.8495, 120.9728,
118.7431

 9.5065, 16.4820,
14.6206


 115.6667,
152.7746, 151.1463

 5.1327, 9.8659,
8.4099

 146.0087,
189.7120, 188.9655

 2.3609, 5.3101,
4.2668

181.2409,
232.1693, 232.6191

 0.8256, 2.4303,
1.7728

221.7285,

 0.0000, 0.8414,

280.5309, 282.5258

0.4099

267.8369,
335.1812, 339.1040

■ 0.0000, 0.0000,
0.0000

■ 35.8929, 52.5366,
49.8438

■ 35.8929, 52.5366,
49.8438

■ 33.4619, 51.3543,
46.5859

■ 38.9473, 54.0397,
53.2790

■ 31.5986, 50.4602,
43.4973

■ 42.6659, 55.8806,
56.8918

■ 30.2448, 49.8255,
40.5746

■ 47.0913, 58.0825,
60.6873

■ 29.3239, 49.4110,
37.8121

■ 52.2610, 60.6648,
64.6689

■ 29.0628, 49.2962,
36.9076

■ 58.2099, 63.6454,
68.8401

■ 64.9707, 67.0412,
73.2041

■ 72.5741, 70.8678,
77.7642

■ 78.5767, 73.8657,
82.4076

■ 79.4432, 74.2123,
86.9705

Harmonies

Analogous

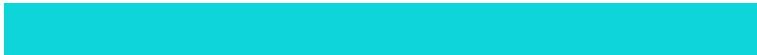
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.7212, 52.5366, 32.8113



35.8929, 52.5366, 49.8438



36.4959, 52.5366, 74.3688

Triad

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



35.8929, 52.5366, 49.8438



55.6148, 52.5366, 111.2091



60.7700, 52.5366, 28.9378

Complementary

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



35.8929, 52.5366, 49.8438



34.8110, 23.1849, 22.7209

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.



66.3230, 52.5366, 42.9062



35.8929, 52.5366, 49.8438



63.1271, 52.5366, 91.4133

Square

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



35.8929, 52.5366, 49.8438



47.2938, 52.5366, 114.5764



67.2301, 52.5366, 65.2540



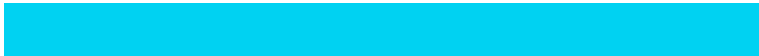
52.6716, 52.5366, 23.1292

Rectangle

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



35.8929, 52.5366, 49.8438



38.7899, 52.5366, 91.7932



67.2301, 52.5366, 65.2540



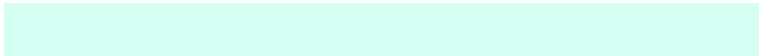
63.0321, 52.5366, 32.6200

Sweetspot

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



35.8944, 52.5387, 49.8450



78.8911, 91.8973, 97.8646



34.3789, 52.4510, 18.4381



16.5275, 19.4906, 20.6800



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.



35.8944, 52.5387, 49.8450



50.1548, 77.6759, 69.7422



34.2821, 42.9971, 68.7822



12.6306, 14.0432, 15.1352



17.9868, 30.4501, 23.0238



1.1201, 1.8507, 1.5743

Inverse Universe

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



34.8110, 23.1849, 22.7209



48.4043, 28.9052, 24.9217



35.3301, 27.2620, 13.5260



12.5708, 12.4798, 13.6799



17.3341, 8.8699, 3.7973



1.0814, 0.5493, 0.4179

Previews

White Background



This preview shows how the XYZ color 35.8929, 52.5366, 49.8438 looks on a white background.

Color Contrast Check

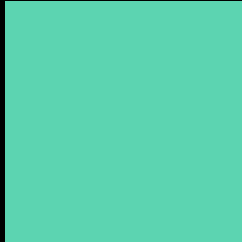
Large Text (above 18pt) WCAG AA × Fail

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 35.8929, 52.5366, 49.8438 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

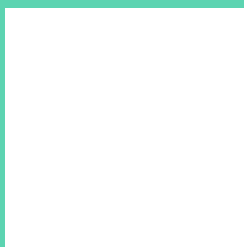
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8929, 52.5366, 49.8438

Background



This preview shows how black text looks on a background with the XYZ color 35.8929, 52.5366, 49.8438.



This preview shows how white text looks on a background with the XYZ color 35.8929, 52.5366,

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

35.8929, 52.5366, 49.8438

Protanopia

49.0244, 51.8229, 43.0163

Deuteranopia

52.5517, 51.5488, 51.9799



Tritanopia

41.3195, 52.5423, 77.0712

Trichromacy



Original Color

35.8929, 52.5366, 49.8438



Protanomaly

42.0535, 50.8298, 45.1308



Deuteranomaly

43.7807, 50.2446, 51.1067



Tritanomaly

39.1759, 52.3928, 66.4405

Monochromacy



Original Color

35.8929, 52.5366, 49.8438



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.7380, 44.4363, 46.6852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8929, 52.5366, 49.8438 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(92, 212, 177)` looks like.

```
.text, #text, p{  
    color:rgb(92, 212, 177)  
}
```

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(92, 212, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 212, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.8929, 52.5366, 49.8438 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(92, 212, 177) }
```


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

```
.border{ border-color:rgb(92, 212, 177) }
```

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

Here you see how a box with a 4 pixel rgb(92, 212, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 212, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 212, 177);  
box-shadow:4px 4px 4px 4px rgb(92, 212,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8929, 52.5366, 49.8438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 212, 177) }
```

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

```
.background{ background-color: rgb(92, 212,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor