

Converting Colors

XYZ(35.8767, 52.3250, 49.1104)

Have a look what the booklet for
XYZ(35.8767, 52.3250, 49.1104)
contains.

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Color

**XYZ(35.8501, 52.1560,
49.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	5FD3B0
RGB	95, 211, 176
RGB Percent	37%, 83%, 69%
CMY	0.6274, 0.1725, 0.3098
CMYK	0.55, 0.00, 0.17, 0.17
HSL	162°, 57%, 60%
HSV	162°, 55%, 83%
XYZ	35.8501, 52.1560, 49.2519
YIQ	172.3260, -57.9010, -35.4770

Conversions

Conversions Part 2

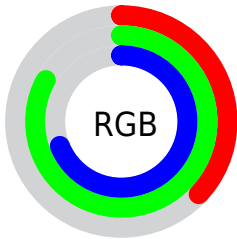
Format	Color
RYB	95, 163, 211
Decimal	6280112
CIELab	77.37, -41.21, 7.46
CIELCh	77, 41.884, 169.736
Yxy	52.1560, 0.2612, 0.3800
Android (android.graphics.Color)	4284470192 (0xFF5FD3B0)
YUV	172.3260, 1.8113, -67.8149
Hunter-Lab	72.2191, -37.7747, 10.1189

Details

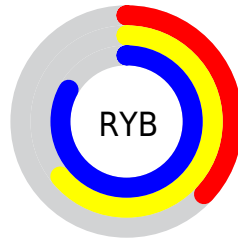
The XYZ color **35.8501, 52.1560, 49.2519** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **34.9873, 23.6465, 23.8415**, and the grayscale version is **39.3913, 41.4427, 45.1311**.

A 20% lighter version of the original color is **63.6519, 84.2162, 89.2445**, and **15.9032, 25.4264, 23.1384** is the 20% darker color. If you saturate the color by 10%, you get **33.3330, 50.9308, 45.9231**, and if you desaturate by 10%, it is **38.9932, 53.7031, 52.7665**.

Distribution



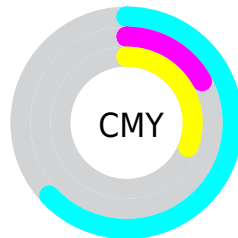
- Red (37%)
- Green (83%)
- Blue (69%)



- Red (37%)
- Yellow (64%)
- Blue (83%)



- Cyan (55%)
- Magenta (0%)
- Yellow (17%)
- Black (17%)



- Cyan (63%)
- Magenta (17%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8501, 52.1560, 49.2519 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 35.8501, 52.1560, 49.2519 by changing the saturation by 10% instead.

35.8501, 52.1560,
49.2519

35.8501, 52.1560,
49.2519

319.7476,
395.0386, 400.3841

24.4880, 37.1294,
34.4523

68.1260, 93.3613,
90.4503

15.8227, 25.3077,
22.9611

89.7706, 120.3088,
117.6863

9.4888, 16.3065,
14.3598

115.5733,
151.9987, 149.9047

5.1210, 9.7413,
8.2297

145.8996,
188.8154, 187.5243

2.3539, 5.2278,
4.1524

181.1149,
231.1434, 230.9635

0.8221, 2.3815,
1.7093

221.5844,

0.0000, 0.8164,

279.3670, 280.6408

0.3671

267.6735,
333.8706, 336.9748

■ 0.0000, 0.0000,
0.0000

■ 35.8501, 52.1560,
49.2519

■ 35.8501, 52.1560,
49.2519

■ 33.3330, 50.9308,
45.9231

■ 38.9932, 53.7031,
52.7665

■ 31.3879, 49.9958,
42.7722

■ 42.8019, 55.5886,
56.4675

■ 29.9590, 49.3236,
39.7954

■ 47.3177, 57.8352,
60.3598

■ 28.9761, 48.8780,
36.9874

■ 52.5774, 60.4616,
64.4473

■ 28.5879, 48.7074,
35.6365

■ 58.6150, 63.4854,
68.7334

■ 65.4625, 66.9232,
73.2215

■ 73.1501, 70.7904,
77.9149

■ 78.3915, 73.3928,
82.6617

■ 79.2865, 73.7508,
87.3748

Harmonies

Analogous

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



38.6760, 52.1560, 32.6893



35.8501, 52.1560, 49.2519



36.3857, 52.1560, 73.1101

Triad

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



35.8501, 52.1560, 49.2519



54.9848, 52.1560, 109.5592



60.2631, 52.1560, 29.2370

Complementary

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



35.8501, 52.1560, 49.2519



34.9873, 23.6465, 23.8415

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.



65.6136, 52.1560, 43.0979



35.8501, 52.1560, 49.2519



62.3451, 52.1560, 90.5224

Square

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



35.8501, 52.1560, 49.2519



46.8659, 52.1560, 112.5213



66.4142, 52.1560, 65.0583



52.3818, 52.1560, 23.3873

Rectangle

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



35.8501, 52.1560, 49.2519



38.5984, 52.1560, 90.0965



66.4142, 52.1560, 65.0583



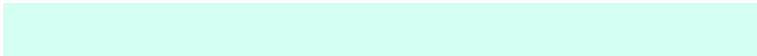
62.4519, 52.1560, 32.9061

Sweetspot

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



35.8515, 52.1581, 49.2531



79.6807, 92.2985, 98.1637



34.8356, 52.3010, 19.0866



16.6810, 19.5688, 20.7279



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.



35.8515, 52.1581, 49.2531



50.5876, 77.9019, 69.6335



34.8346, 43.8495, 68.2582



12.0001, 13.3438, 14.3568



17.2994, 29.4127, 21.7548



1.0015, 1.6583, 1.3968

Inverse Universe

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



34.9873, 23.6465, 23.8415



49.1741, 29.8480, 27.0185



35.2074, 27.2290, 14.2276



11.9535, 11.8661, 13.0308



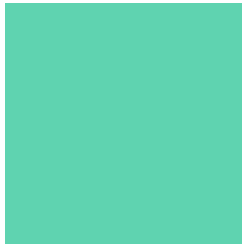
16.8052, 8.5949, 3.8802



0.9748, 0.4946, 0.4020

Previews

White Background



This preview shows how the XYZ color 35.8501, 52.1560, 49.2519 looks on a white background.

Color Contrast Check

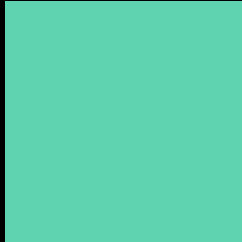
Large Text (above 18pt) WCAG AA × Fail

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 35.8501, 52.1560, 49.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

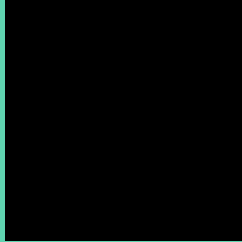
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

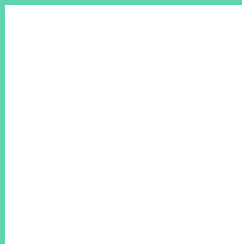
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8501, 52.1560, 49.2519

Background



This preview shows how black text looks on a background with the XYZ color 35.8501, 52.1560, 49.2519.



This preview shows how white text looks on a background with the XYZ color 35.8501, 52.1560,

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

35.8501, 52.1560, 49.2519

Protanopia

48.5423, 51.2539, 42.9319

Deuteranopia

52.2410, 51.0933, 51.3646



Tritanopia

41.3129, 52.1981, 76.3044

Trichromacy



Original Color

35.8501, 52.1560, 49.2519



Protanomaly

41.8256, 50.3741, 45.0549



Deuteranomaly

43.6704, 49.8702, 50.5043



Tritanomaly

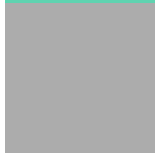
39.1580, 52.0367, 65.7379

Monochromacy



Original Color

35.8501, 52.1560, 49.2519



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6033, 44.0642, 46.1112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8501, 52.1560, 49.2519 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(95, 211, 176)` looks like.

```
.text, #text, p{  
    color:rgb(95, 211, 176)  
}
```

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(95, 211, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 211, 176) }
```

Border

The CSS property to change the border of an element to XYZ 35.8501, 52.1560, 49.2519 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(95, 211, 176) }
```


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

```
.border{ border-color:rgb(95, 211, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 211, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 211, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 211, 176);  
box-shadow:4px 4px 4px 4px rgb(95, 211,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8501, 52.1560, 49.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 211, 176) }
```

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

```
.background{ background-color: rgb(95, 211,  
176) }
```

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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