

Converting Colors

XYZ(35.7742, 51.2705, 55.8935)

Have a look what the booklet for
XYZ(35.7742, 51.2705, 55.8935)
contains.

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Color

**XYZ(35.8235, 51.2535,
56.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	56D1BD
RGB	86, 209, 189
RGB Percent	34%, 82%, 74%
CMY	0.6627, 0.1804, 0.2588
CMYK	0.59, 0.00, 0.10, 0.18
HSL	170°, 57%, 58%
HSV	170°, 59%, 82%
XYZ	35.8235, 51.2535, 56.1489
YIQ	169.9430, -66.8880, -32.2960

Conversions

Conversions Part 2

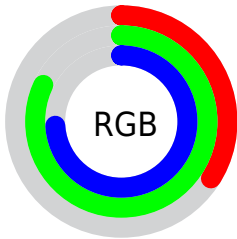
Format	Color
R _Y B	86, 153, 209
Decimal	5689789
CIE Lab	76.83, -38.97, -0.33
CIE LCh	77, 38.969, 180.481
Yxy	51.2535, 0.2501, 0.3579
Android (android.graphics.Color)	4283879869 (0xFF56D1BD)
YUV	169.9430, 9.3951, -73.6180
Hunter-Lab	71.5915, -35.9661, 3.6132

Details

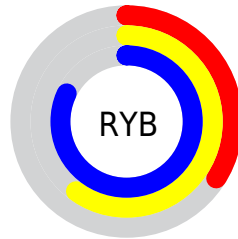
The XYZ color **35.8235, 51.2535, 56.1489** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **32.2255, 21.2529, 16.0412**, and the grayscale version is **38.1600, 40.1473, 43.7204**.

A 20% lighter version of the original color is **64.0955, 84.2236, 99.2648**, and **15.9995, 24.8888, 27.2533** is the 20% darker color. If you saturate the color by 10%, you get **33.8089, 50.2583, 54.1522**, and if you desaturate by 10%, it is **38.4122, 52.5461, 58.2199**.

Distribution



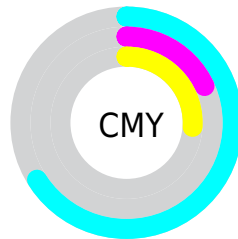
- Red (34%)
- Green (82%)
- Blue (74%)



- Red (34%)
- Yellow (60%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)




- Cyan (66%)
- Magenta (18%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8235, 51.2535, 56.1489 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 35.8235, 51.2535, 56.1489 by changing the saturation by 10% instead.


 35.8235, 51.2535,
56.1489


 35.8235, 51.2535,
56.1489


319.6331,
391.5479, 427.6565


 24.4674, 36.4104,
39.9175


 68.0852, 92.0294,
100.7102


 15.8073, 24.7513,
27.1609


 89.7215, 118.7309,
129.8772

 9.4779, 15.8919,
17.4606


 115.5153,
150.1541, 164.1932

 5.1138, 9.4477,
10.3980

 145.8318,
186.6833, 204.0767

 2.3496, 5.0343,
5.5546

181.0365,
228.7029, 249.9462

 0.8199, 2.2674,
2.5118

221.4948,

 0.0000, 0.7564,

276.5972, 302.2203

0.8464

267.5718,
330.7508, 361.3176

■ 0.0000, 0.0000,
0.0000

■ 35.8235, 51.2535,
56.1489

■ 35.8235, 51.2535,
56.1489

■ 33.8089, 50.2583,
54.1522

■ 38.4122, 52.5461,
58.2199

■ 32.3134, 49.5285,
52.2234

■ 41.6151, 54.1531,
60.3640

■ 31.2787, 49.0352,
50.3607

■ 45.4739, 56.0973,
62.5845

■ 30.6093, 48.7293,
48.5594

■ 50.0253, 58.3974,
64.8835

■ 30.5407, 48.6984,
48.3555

■ 55.3033, 61.0711,
67.2628

■ 61.3395, 64.1347,
69.7242

■ 68.1638, 67.6035,
72.2694

■ 75.8044, 71.4920,
74.8999

■ 76.9054, 72.0083,
77.2719

Harmonies

Analogous

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



37.3495, 51.2535, 38.0351



35.8235, 51.2535, 56.1489



37.4496, 51.2535, 79.1414

Triad

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



35.8235, 51.2535, 56.1489



56.2970, 51.2535, 98.8217



56.0697, 51.2535, 27.3200

Complementary

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



35.8235, 51.2535, 56.1489



32.2255, 21.2529, 16.0412

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.



62.0392, 51.2535, 37.5784



35.8235, 51.2535, 56.1489



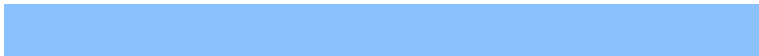
62.1795, 51.2535, 78.3964

Square

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



35.8235, 51.2535, 56.1489



48.8344, 51.2535, 107.2962



64.3784, 51.2535, 55.4652



48.5956, 51.2535, 24.1641

Rectangle

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



35.8235, 51.2535, 56.1489



40.2076, 51.2535, 93.5261



64.3784, 51.2535, 55.4652



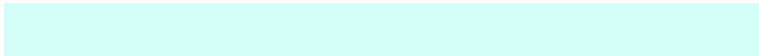
58.3448, 51.2535, 29.8981

Sweetspot

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



35.8250, 51.2555, 56.1501



78.9541, 91.8384, 101.9951



30.4852, 49.3698, 16.7276



16.4203, 19.4148, 21.6007



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.



35.8250, 51.2555, 56.1501



52.2470, 78.4406, 84.0206



29.3506, 34.5890, 65.4533



12.0723, 13.3727, 14.7374



18.8607, 30.0372, 29.9762



1.0772, 1.6885, 1.7950

Inverse Universe

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



32.2255, 21.2529, 16.0412



46.1534, 27.1381, 15.7410



35.5653, 29.4076, 12.6068



11.8860, 11.8392, 12.6757



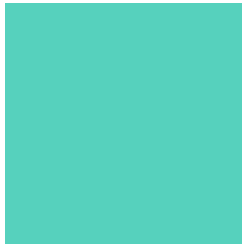
16.4145, 8.4386, 1.8231



0.9428, 0.4819, 0.2338

Previews

White Background



This preview shows how the XYZ color 35.8235, 51.2535, 56.1489 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 35.8235, 51.2535, 56.1489 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

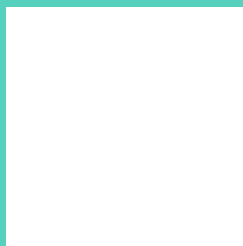
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8235, 51.2535, 56.1489

Background



This preview shows how black text looks on a background with the XYZ color 35.8235, 51.2535, 56.1489.

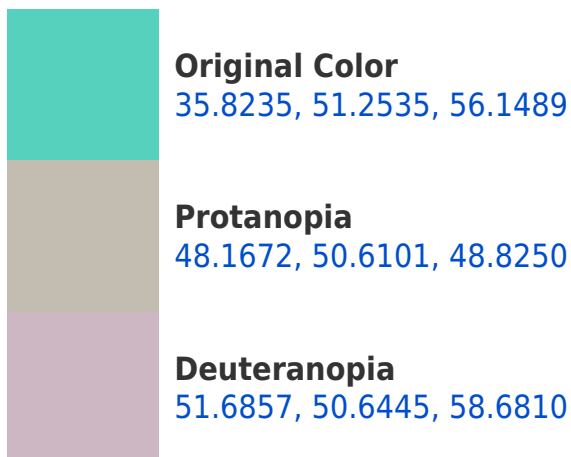


This preview shows how white text looks on a background with the XYZ color 35.8235, 51.2535,

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





Tritanopia

39.6810, 51.0029, 76.1597

Trichromacy



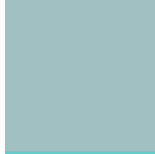
Original Color

35.8235, 51.2535, 56.1489



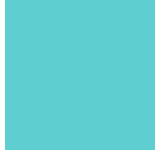
Protanomaly

41.5980, 49.7846, 51.1330



Deuteranomaly

43.1732, 49.1266, 57.6590



Tritanomaly

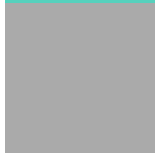
38.1960, 51.1257, 68.1767

Monochromacy



Original Color

35.8235, 51.2535, 56.1489



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.7238, 42.9443, 48.0012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8235, 51.2535, 56.1489 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(86, 209, 189)` looks like.

```
.text, #text, p{  
    color:rgb(86, 209, 189)  
}
```

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(86, 209, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 209, 189) }
```

Border

The CSS property to change the border of an element to XYZ 35.8235, 51.2535, 56.1489 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(86, 209, 189) }
```


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

```
.border{ border-color:rgb(86, 209, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 209, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 209, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 209, 189);  
box-shadow:4px 4px 4px 4px rgb(86, 209,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8235, 51.2535, 56.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 209, 189) }
```

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

```
.background{ background-color: rgb(86, 209,  
189) }
```

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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