

Converting Colors

XYZ(35.7377, 51.1530, 55.7575)

Have a look what the booklet for
XYZ(35.7377, 51.1530, 55.7575)
contains.

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Color

**XYZ(35.7153, 51.2102,
55.5791)**

Conversions

Conversions Part 1

Format	Color
Hex	56D1BC
RGB	86, 209, 188
RGB Percent	34%, 82%, 74%
CMY	0.6627, 0.1804, 0.2627
CMYK	0.59, 0.00, 0.10, 0.18
HSL	170°, 57%, 58%
HSV	170°, 59%, 82%
XYZ	35.7153, 51.2102, 55.5791
YIQ	169.8290, -66.5670, -32.6070

Conversions

Conversions Part 2

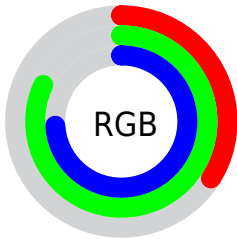
Format	Color
R_{YB}	86, 153, 209
Decimal	5689788
CIE _{Lab}	76.81, -39.22, 0.17
CIE _{LCh}	77, 39.220, 179.748
Yxy	51.2102, 0.2506, 0.3594
Android (android.graphics.Color)	4283879868 (0xFF56D1BC)
YUV	169.8290, 8.9583, -73.5180
Hunter-Lab	71.5613, -36.1453, 4.0445

Details

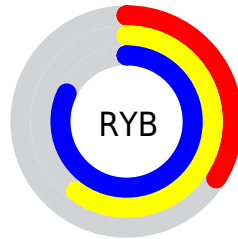
The XYZ color **35.7153, 51.2102, 55.5791** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **32.2778, 21.2738, 16.3168**, and the grayscale version is **38.1052, 40.0897, 43.6577**.

A 20% lighter version of the original color is **63.9432, 84.1626, 98.4628**, and **15.9288, 24.8605, 26.8807** is the 20% darker color. If you saturate the color by 10%, you get **33.6854, 50.2089, 53.5015**, and if you desaturate by 10%, it is **38.3202, 52.5093, 57.7355**.

Distribution



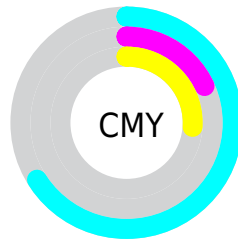
- Red (34%)
- Green (82%)
- Blue (74%)



- 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 35.7153, 51.2102, 55.5791 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 35.7153, 51.2102, 55.5791 by changing the saturation by 10% instead.

35.7153, 51.2102,
55.5791

35.7153, 51.2102,
55.5791

319.1674,
391.3799, 425.4470

24.3835, 36.3759,
39.4638

67.9192, 91.9654,
99.8686

15.7446, 24.7247,
26.8102

89.5219, 118.6551,
128.8798

9.4333, 15.8720,
17.1995

115.2790,
150.0654, 163.0268

5.0842, 9.4337,
10.2134

145.5559,
186.5808, 202.7281

2.3320, 5.0251,
5.4332

180.7178,
228.5855, 248.4023

0.8110, 2.2620,
2.4405

221.1301,

0.0000, 0.7535,

276.4640, 300.4678

0.8084

267.1582,
330.6007, 359.3432

■ 0.0000, 0.0000,
0.0000

■ 35.7153, 51.2102,
55.5791

■ 35.7153, 51.2102,
55.5791

■ 33.6854, 50.2089,
53.5015

■ 38.3202, 52.5093,
57.7355

■ 32.1754, 49.4733,
51.4965

■ 41.5402, 54.1232,
59.9696

■ 31.1270, 48.9745,
49.5620

■ 45.4170, 56.0745,
62.2848

■ 30.4448, 48.6635,
47.6932

■ 49.9873, 58.3822,
64.6831

■ 30.3748, 48.6320,
47.4818

■ 55.2850, 61.0638,
67.1666

■ 61.3419, 64.1357,
69.7369

■ 68.1878, 67.6131,
72.3959

■ 75.8510, 71.5107,
75.1452

■ 76.9755, 72.0363,
77.6408

Harmonies

Analogous

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



37.3248, 51.2102, 37.5486



35.7153, 51.2102, 55.5791



37.2721, 51.2102, 78.6778

Triad

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



35.7153, 51.2102, 55.5791



56.1285, 51.2102, 99.4695



56.2485, 51.2102, 27.3115

Complementary

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



35.7153, 51.2102, 55.5791



32.2778, 21.2738, 16.3168

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.



62.1915, 51.2102, 37.7890



35.7153, 51.2102, 55.5791



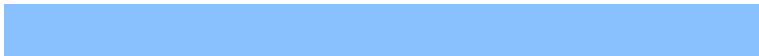
62.1174, 51.2102, 79.0713

Square

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



35.7153, 51.2102, 55.5791



48.6108, 51.2102, 107.6301



64.4394, 51.2102, 55.9397



48.7367, 51.2102, 23.9871

Rectangle

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



35.7153, 51.2102, 55.5791



39.9969, 51.2102, 93.2703



64.4394, 51.2102, 55.9397



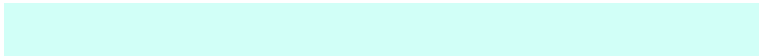
58.5226, 51.2102, 29.9557

Sweetspot

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



35.7168, 51.2122, 55.5803



78.8964, 91.8153, 101.6912



30.7332, 49.4976, 16.7393



16.4061, 19.4091, 21.5257



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.



35.7168, 51.2122, 55.5803



52.0464, 78.3603, 82.9640



29.7321, 35.3519, 65.5804



12.0681, 13.3710, 14.7150



18.7595, 29.9967, 29.4435



1.0724, 1.6866, 1.7698

Inverse Universe

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



32.2778, 21.2738, 16.3168



46.2283, 27.1680, 16.1355



35.3032, 28.8834, 12.5195



11.8899, 11.8407, 12.6962



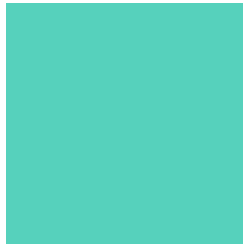
16.4309, 8.4452, 1.9095



0.9447, 0.4826, 0.2434

Previews

White Background



This preview shows how the XYZ color 35.7153, 51.2102, 55.5791 looks on a white background.

Color Contrast Check

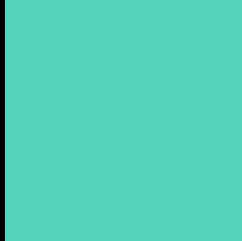
Large Text (above 18pt) WCAG AA × Fail

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 35.7153, 51.2102, 55.5791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

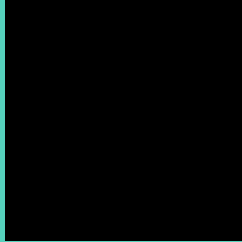
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

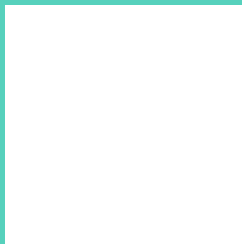
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7153, 51.2102, 55.5791

Background



This preview shows how black text looks on a background with the XYZ color 35.7153, 51.2102, 55.5791.

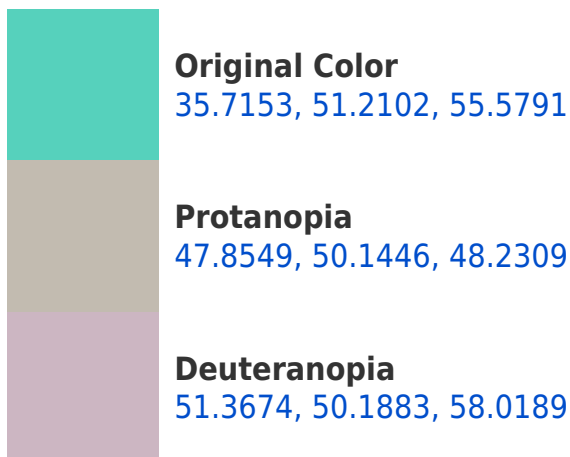


This preview shows how white text looks on a background with the XYZ color 35.7153, 51.2102,

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

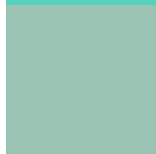
39.6810, 51.0029, 76.1597

Trichromacy



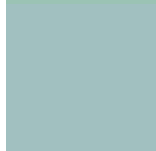
Original Color

35.7153, 51.2102, 55.5791



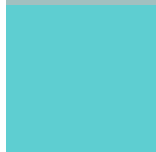
Protanomaly

41.2709, 49.2941, 50.5195



Deuteranomaly

43.0620, 49.0821, 57.0734



Tritanomaly

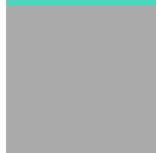
38.1960, 51.1257, 68.1767

Monochromacy



Original Color

35.7153, 51.2102, 55.5791



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 35.7153, 51.2102, 55.5791 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(86, 209, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 209, 188) }
```

Border

The CSS property to change the border of an element to XYZ 35.7153, 51.2102, 55.5791 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, 188) }
```


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

```
.border{ border-color:rgb(86, 209, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 209, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 209, 188);  
box-shadow:4px 4px 4px 4px rgb(86, 209,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7153, 51.2102, 55.5791 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, 188) }
```

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

```
.background{ background-color: rgb(86, 209,  
188) }
```

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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