

Converting Colors

XYZ(33.5798, 55.1529, 15.7132)

Have a look what the booklet for
XYZ(33.5798, 55.1529, 15.7132)
contains.

XYZ(33.5798, 55.1529, 15.7132)	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(33.5798, 55.1529,
15.7132)**

Conversions

Conversions Part 1

Format	Color
Hex	70DC4C
RGB	112, 220, 76
RGB Percent	44%, 86%, 30%
CMY	0.5608, 0.1372, 0.7019
CMYK	0.49, 0.00, 0.65, 0.14
HSL	105°, 67%, 58%
HSV	105°, 65%, 86%
XYZ	33.5798, 55.1529, 15.7132
YIQ	171.2920, -18.1440, -67.6800

Conversions

Conversions Part 2

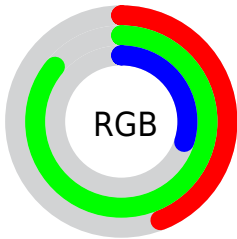
Format	Color
RYB	76, 220, 184
Decimal	7396428
CIELab	79.13, -56.57, 59.11
CIELCh	79, 81.820, 133.743
Yxy	55.1529, 0.3215, 0.5281
Android (android.graphics.Color)	4285586508 (0xFF70DC4C)
YUV	171.2920, -46.9790, -51.9991
Hunter-Lab	74.2650, -49.2529, 39.4408

Details

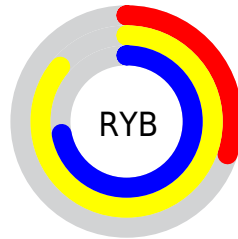
The XYZ color **33.5798, 55.1529, 15.7132** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **35.2727, 20.5284, 69.8164**, and the grayscale version is **39.0924, 41.1283, 44.7887**.

A 20% lighter version of the original color is **56.6513, 81.8166, 34.2791**, and **14.5492, 27.2012, 4.7707** is the 20% darker color. If you saturate the color by 10%, you get **31.0316, 53.9147, 12.2616**, and if you desaturate by 10%, it is **36.7768, 56.6987, 20.5621**.

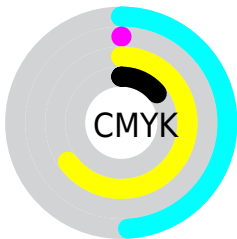
Distribution



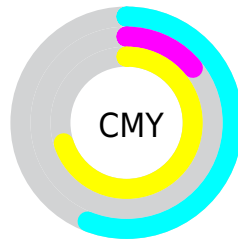
- Red (44%)
- Green (86%)
- Blue (30%)



- Red (30%)
- Yellow (86%)
- Blue (72%)



- Cyan (49%)
- Magenta (0%)
- Yellow (65%)
- Black (14%)





- Cyan (56%)
- Magenta (14%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5798, 55.1529, 15.7132 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 33.5798, 55.1529, 15.7132 by changing the saturation by 10% instead.


 33.5798, 55.1529,
15.7132


 33.5798, 55.1529,
15.7132


309.8733,
406.4913, 239.4310


 22.7323, 39.5242,
9.1693


 64.6283, 97.7649,
36.8594

 14.5156, 27.1677,
4.7534


 85.5601, 125.5170,
52.2988


 8.5642, 17.6992,
2.0471


 110.5840,
158.0790, 71.5404

 4.5129, 10.7343,
0.5840

 140.0655,
195.8353, 95.0028

 1.9962, 5.8884,
0.0000

 174.3697,
239.1703, 123.1045

 0.6318, 2.7774,
0.0000

213.8622,

 0.0000, 1.0166,

288.4683, 156.2641

0.0000

258.9083,
344.1138, 194.9001

■ 0.0000, 0.0000,
0.0000

■ 33.5798, 55.1529,
15.7132

■ 33.5798, 55.1529,
15.7132

■ 31.0316, 53.9147,
12.2616

■ 36.7768, 56.6987,
20.5621

■ 29.0794, 52.9551,
10.0555

■ 40.6622, 58.5648,
26.9320

■ 27.6671, 52.2508,
8.9145

■ 45.2768, 60.7712,
34.9371

■ 27.1696, 52.0007,
8.6052

■ 50.6568, 63.3346,
44.6798

■ 56.8359, 66.2703,
56.2539

■ 63.8460, 69.5928,
69.7468

■ 71.7170, 73.3156,
85.2399

■ 80.4772, 77.4519,
102.8101

■ 84.8843, 79.6686,
105.5114

Harmonies

Analogous

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



45.3140, 55.1529, 8.2231



33.5798, 55.1529, 15.7132



27.6979, 55.1529, 38.2429

Triad

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



33.5798, 55.1529, 15.7132



44.1179, 55.1529, 194.2448



89.1933, 55.1529, 41.1320

Complementary

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



33.5798, 55.1529, 15.7132



35.2727, 20.5284, 69.8164

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.



88.6863, 55.1529, 88.8884



33.5798, 55.1529, 15.7132



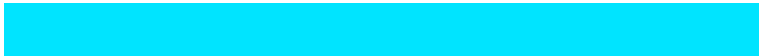
60.2351, 55.1529, 196.4855

Square

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



33.5798, 55.1529, 15.7132



32.8615, 55.1529, 146.0885



77.2496, 55.1529, 151.1900



78.5172, 55.1529, 16.8817

Rectangle

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



33.5798, 55.1529, 15.7132



26.9288, 55.1529, 66.1121



77.2496, 55.1529, 151.1900



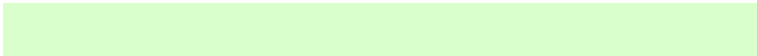
90.3835, 55.1529, 54.3743

Sweetspot

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



33.5811, 55.1552, 15.7144



75.1997, 90.5928, 70.6495



47.9625, 50.0209, 13.9654



15.5800, 19.1455, 14.1591



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.



33.5811, 55.1552, 15.7144



42.1134, 74.7196, 15.6376



31.5000, 53.8952, 24.0731



13.1900, 14.7627, 13.8799



16.0312, 30.5619, 5.0541



1.1175, 2.0206, 0.3311

Inverse Universe

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



35.2727, 20.5284, 69.8164



44.4268, 22.7451, 96.6564



40.7534, 23.8467, 47.8047



13.2800, 13.1025, 16.4812



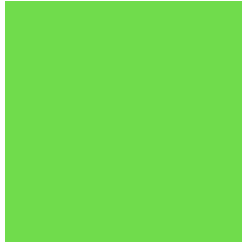
16.7959, 7.7828, 40.3554



1.1650, 0.5438, 2.6180

Previews

White Background



This preview shows how the XYZ color 33.5798, 55.1529, 15.7132 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 33.5798, 55.1529, 15.7132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

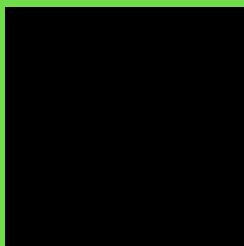
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5798, 55.1529, 15.7132

Background



This preview shows how black text looks on a background with the XYZ color 33.5798, 55.1529, 15.7132.

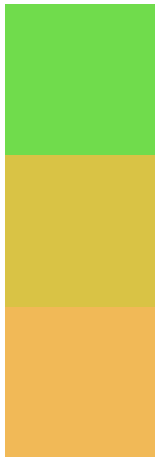


This preview shows how white text looks on a background with the XYZ color 33.5798, 55.1529,

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

33.5798, 55.1529, 15.7132

Protanopia

49.2046, 54.2116, 13.5008

Deuteranopia

55.3449, 54.0868, 16.5396



Tritanopia

45.9036, 54.9055, 77.2857

Trichromacy



Original Color

33.5798, 55.1529, 15.7132



Protanomaly

41.3530, 53.2373, 14.2272



Deuteranomaly

44.0036, 52.4820, 15.9944



Tritanomaly

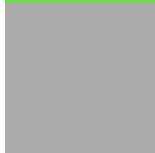
39.5090, 54.1202, 45.9000

Monochromacy



Original Color

33.5798, 55.1529, 15.7132



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.2192, 44.6568, 30.0559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5798, 55.1529, 15.7132 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(112, 220, 76)` looks like.

```
.text, #text, p{  
    color:rgb(112, 220, 76)  
}
```

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(112, 220, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 220, 76) }
```

Border

The CSS property to change the border of an element to XYZ 33.5798, 55.1529, 15.7132 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(112, 220, 76) }
```


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

```
.border{ border-color:rgb(112, 220, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 220, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 220, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 220, 76);  
box-shadow:4px 4px 4px 4px rgb(112, 220,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5798, 55.1529, 15.7132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 220, 76) }
```

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

```
.background{ background-color: rgb(112,  
220, 76) }
```

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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