

Converting Colors

XYZ(33.5789, 54.7586, 13.9003)

Have a look what the booklet for
XYZ(33.5789, 54.7586, 13.9003)
contains.

XYZ(33.6510, 54.8383, 13.9655)	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(33.6510, 54.8383,
13.9655)**

Conversions

Conversions Part 1

Format	Color
Hex	75DB42
RGB	117, 219, 66
RGB Percent	46%, 86%, 26%
CMY	0.5412, 0.1412, 0.7412
CMYK	0.47, 0.00, 0.70, 0.14
HSL	100°, 68%, 56%
HSV	100°, 70%, 86%
XYZ	33.6510, 54.8383, 13.9655
YIQ	171.0600, -11.6790, -69.2070

Conversions

Conversions Part 2

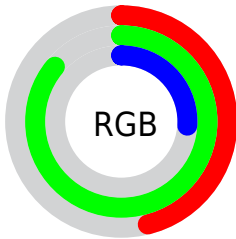
Format	Color
RYB	66, 219, 168
Decimal	7723842
CIELab	78.95, -55.54, 62.84
CIELCh	79, 83.868, 131.471
Yxy	54.8383, 0.3284, 0.5352
Android (android.graphics.Color)	4285913922 (0xFF75DB42)
YUV	171.0600, -51.7946, -47.4106
Hunter-Lab	74.0529, -48.4789, 40.6556

Details

The XYZ color **33.6510, 54.8383, 13.9655** 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 **30.8858, 17.3376, 68.7395**, and the grayscale version is **38.9966, 41.0274, 44.6789**.

A 20% lighter version of the original color is **57.1773, 82.1552, 31.2563**, and **14.6185, 26.9787, 4.4369** is the 20% darker color. If you saturate the color by 10%, you get **31.3141, 53.6961, 11.1072**, and if you desaturate by 10%, it is **36.5436, 56.2418, 18.1417**.

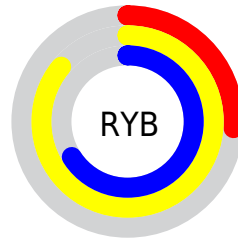
Distribution



Red (46%)

Green (86%)

Blue (26%)



Red (26%)

Yellow (86%)

Blue (66%)

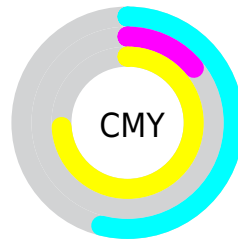


Cyan (47%)

Magenta (0%)

Yellow (70%)

Black (14%)



Cyan (54%)


Magenta (14%)


Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6510, 54.8383, 13.9655 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 33.6510, 54.8383, 13.9655 by changing the saturation by 10% instead.


 33.6510, 54.8383,
13.9655


 33.6510, 54.8383,
13.9655


310.1864,
405.2987, 228.4371


 22.7872, 39.2723,
7.9582


 64.7385, 97.3040,
33.7440

 14.5563, 26.9716,
3.9808


 85.6929, 124.9725,
48.3524


 8.5929, 17.5519,
1.6148


 110.7416,
157.4439, 66.6648

 4.5316, 10.6288,
0.3014

 140.2499,
195.1026, 89.0998

 2.0070, 5.8178,
0.0000

 174.5832,
238.3330, 116.0760

 0.6379, 2.7346,
0.0000

214.1068,

 0.0000, 0.9948,

287.5196, 148.0119

0.0000

259.1861,
343.0467, 185.3261

■ 0.0000, 0.0000,
0.0000

■ 33.6510, 54.8383,
13.9655

■ 33.6510, 54.8383,
13.9655

■ 31.3141, 53.6961,
11.1072

■ 36.5436, 56.2418,
18.1417

■ 29.4849, 52.7889,
9.4047

■ 40.0266, 57.9164,
23.7659


■ 28.0969, 52.0902,
8.5823


■ 44.1357, 59.8799,
30.9564


■ 28.0799, 52.0816,
8.5728


■ 48.9027, 62.1461,
39.8185

■ 54.3569, 64.7283,
50.4481

 60.5258, 67.6385,
62.9342

 67.4352, 70.8883,
77.3594

 75.1098, 74.4886,
93.8017

 82.2393, 77.9167,
105.3127

Harmonies

Analogous

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



46.0056, 54.8383, 7.3708



33.6510, 54.8383, 13.9655



27.2606, 54.8383, 35.0370

Triad

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



33.6510, 54.8383, 13.9655



42.5881, 54.8383, 195.8353



90.2548, 54.8383, 43.2548

Complementary

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



33.6510, 54.8383, 13.9655



30.8858, 17.3376, 68.7395

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.



88.7907, 54.8383, 93.8778



33.6510, 54.8383, 13.9655



58.7582, 54.8383, 202.3605

Square

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



33.6510, 54.8383, 13.9655



31.6103, 54.8383, 143.4359



76.3531, 54.8383, 158.2457



80.0074, 54.8383, 17.2225

Rectangle

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



33.6510, 54.8383, 13.9655



26.2032, 54.8383, 62.0972



76.3531, 54.8383, 158.2457



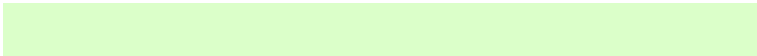
91.1657, 54.8383, 57.3840

Sweetspot

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



33.6523, 54.8406, 13.9667



75.6589, 90.8646, 69.0873



44.2018, 43.4612, 11.2142



15.7217, 19.2253, 13.8583



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.



33.6523, 54.8406, 13.9667



42.8634, 75.1361, 14.3232



29.4900, 52.5878, 18.6083



13.2934, 14.8160, 13.8847



16.7534, 30.9342, 5.0879



1.1750, 2.0503, 0.3338

Inverse Universe

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



30.8858, 17.3376, 68.7395



38.5092, 18.9340, 96.2327



40.8453, 22.8306, 53.0016



13.1708, 13.0462, 16.4761



14.7318, 6.7187, 40.2588



1.0443, 0.4816, 2.6124

Previews

White Background



This preview shows how the XYZ color 33.6510, 54.8383, 13.9655 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 33.6510, 54.8383, 13.9655 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 33.6510, 54.8383, 13.9655

Background



This preview shows how black text looks on a background with the XYZ color 33.6510, 54.8383, 13.9655.

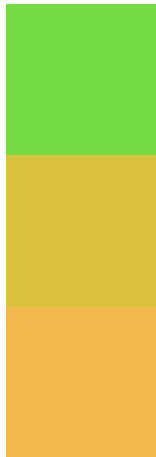


This preview shows how white text looks on a background with the XYZ color 33.6510, 54.8383,

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

33.6510, 54.8383, 13.9655

Protanopia

49.2442, 54.2619, 12.1531

Deuteranopia

54.9997, 53.9488, 14.7221



Tritanopia

46.2102, 54.7227, 76.5336

Trichromacy



Original Color

33.6510, 54.8383, 13.9655



Protanomaly

41.5184, 53.3573, 12.6682



Deuteranomaly

43.9672, 52.1627, 14.2296



Tritanomaly

39.6696, 53.8781, 43.9060

Monochromacy



Original Color

33.6510, 54.8383, 13.9655



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

34.9794, 44.2392, 28.8857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6510, 54.8383, 13.9655 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(117, 219, 66)` looks like.

```
.text, #text, p{  
    color:rgb(117, 219, 66)  
}
```

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(117, 219, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 219, 66) }
```

Border

The CSS property to change the border of an element to XYZ 33.6510, 54.8383, 13.9655 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(117, 219, 66) }
```


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

```
.border{ border-color:rgb(117, 219, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 219, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 219, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 219, 66);  
box-shadow:4px 4px 4px 4px rgb(117, 219,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6510, 54.8383, 13.9655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 219, 66) }
```

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

```
.background{ background-color: rgb(117,  
219, 66) }
```

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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