

Converting Colors

XYZ(33.7592, 55.9385, 19.3611)

Have a look what the booklet for
XYZ(33.7592, 55.9385, 19.3611)
contains.

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Color

**XYZ(33.8060, 55.9759,
19.3786)**

Conversions

Conversions Part 1

Format	Color
Hex	68DE5D
RGB	104, 222, 93
RGB Percent	41%, 87%, 36%
CMY	0.5922, 0.1294, 0.6353
CMYK	0.53, 0.00, 0.58, 0.13
HSL	115°, 66%, 62%
HSV	115°, 58%, 87%
XYZ	33.8060, 55.9759, 19.3786
YIQ	172.0120, -28.9190, -65.1350

Conversions

Conversions Part 2

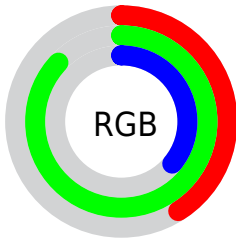
Format	Color
RYB	93, 222, 211
Decimal	6872669
CIELab	79.60, -57.81, 52.33
CIELCh	80, 77.976, 137.849
Yxy	55.9759, 0.3097, 0.5128
Android (android.graphics.Color)	4285062749 (0xFF68DE5D)
YUV	172.0120, -38.9529, -59.6465
Hunter-Lab	74.8170, -50.2748, 37.0150

Details

The XYZ color **33.8060, 55.9759, 19.3786** 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 **43.9660, 26.9534, 71.9954**, and the grayscale version is **39.4215, 41.4745, 45.1657**.

A 20% lighter version of the original color is **56.3363, 81.5191, 40.3693**, and **14.6956, 27.7762, 6.5063** is the 20% darker color. If you saturate the color by 10%, you get **30.8821, 54.5679, 14.8332**, and if you desaturate by 10%, it is **37.5855, 57.7954, 25.4560**.

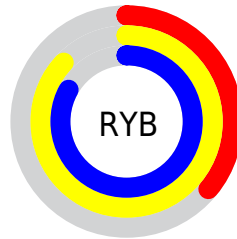
Distribution



Red (41%)

Green (87%)

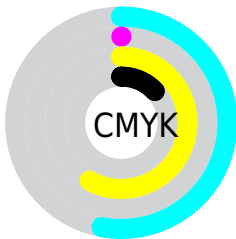
Blue (36%)



Red (36%)

Yellow (87%)

Blue (83%)

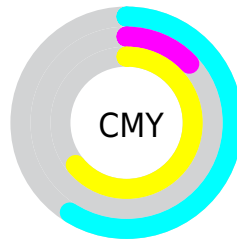


Cyan (53%)

Magenta (0%)

Yellow (58%)

Black (13%)



Cyan (59%)

Magenta (13%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8060, 55.9759, 19.3786 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 33.8060, 55.9759, 19.3786 by changing the saturation by 10% instead.

■ 33.8060, 55.9759,
19.3786

■ 33.8060, 55.9759,
19.3786

310.8673,
409.6007, 261.0230

■ 22.9068, 40.1836,
11.7646

■ 64.9782, 98.9693,
43.2181

■ 14.6450, 27.6817,
6.4630

■ 85.9818, 126.9393,
60.2806

■ 8.6553, 18.0859,
3.0553

■ 111.0843,
159.7372, 81.3297

■ 4.5723, 11.0117,
1.1229

■ 140.6511,
197.7475, 106.7839

■ 2.0308, 6.0747,
0.0000

175.0474,
241.3546, 137.0618

■ 0.6511, 2.8905,
0.0000

214.6386,

■ 0.0000, 1.0749,

290.9429, 172.5820

0.0000

259.7902,
346.8968, 213.7628

■ 0.0000, 0.0000,
0.0000

■ 33.8060, 55.9759,
19.3786

■ 33.8060, 55.9759,
19.3786

■ 30.8821, 54.5679,
14.8332

■ 37.5855, 57.7954,
25.4560

■ 28.7430, 53.5327,
11.6799

■ 42.2764, 60.0475,
33.1815

■ 27.3129, 52.8364,
9.7600

■ 47.9344, 62.7603,
42.6644

■ 26.4935, 52.4334,
8.8450

■ 54.6095, 65.9573,
54.0034

■ 26.3895, 52.3825,
8.7200

■ 62.3483, 69.6608,
67.2902

■ 71.1946, 73.8913,
82.6101

■ 81.1896, 78.6684,
100.0435

■ 85.4124, 80.7248,
105.6875

Harmonies

Analogous

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



44.4724, 55.9759, 10.1235



33.8060, 55.9759, 19.3786



28.8024, 55.9759, 44.4942

Triad

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



33.8060, 55.9759, 19.3786



47.0960, 55.9759, 190.6455



87.4418, 55.9759, 38.0938

Complementary

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



33.8060, 55.9759, 19.3786



43.9660, 26.9534, 71.9954

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.



88.5286, 55.9759, 81.0281



33.8060, 55.9759, 19.3786



63.0083, 55.9759, 185.9247

Square

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



33.8060, 55.9759, 19.3786



35.3996, 55.9759, 150.1982



78.8836, 55.9759, 139.3752



76.1550, 55.9759, 16.6818

Rectangle

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



33.8060, 55.9759, 19.3786



28.5417, 55.9759, 73.5407



78.8836, 55.9759, 139.3752



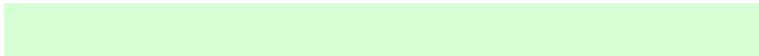
89.0825, 55.9759, 49.8821

Sweetspot

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



33.8074, 55.9783, 19.3798



75.7255, 90.7553, 75.5825



54.9274, 61.9727, 19.4237



15.7815, 19.2210, 15.4486



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.



33.8074, 55.9783, 19.3798



41.4674, 74.3095, 19.0866



35.7173, 56.6043, 35.6714



13.6365, 15.3928, 14.5592



15.7125, 31.1326, 5.1811



1.1272, 2.1776, 0.3609

Inverse Universe

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



43.9660, 26.9534, 71.9954



56.5306, 30.9454, 97.6013



41.3341, 26.2772, 41.1244



14.1738, 13.8731, 17.3184



22.5195, 10.7045, 41.9276



1.5953, 0.7597, 2.9078

Previews

White Background



This preview shows how the XYZ color 33.8060, 55.9759, 19.3786 looks on a white background.

Color Contrast Check

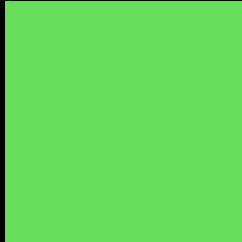
Large Text (above 18pt) WCAG AA × Fail

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 33.8060, 55.9759, 19.3786 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 33.8060, 55.9759, 19.3786

Background



This preview shows how black text looks on a background with the XYZ color 33.8060, 55.9759, 19.3786.

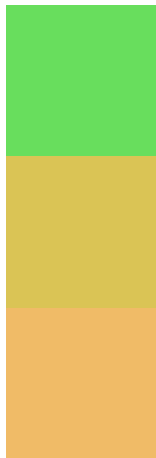


This preview shows how white text looks on a background with the XYZ color 33.8060, 55.9759,

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

33.8060, 55.9759, 19.3786

Protanopia

50.2931, 55.0412, 16.5676

Deuteranopia

56.1537, 55.0452, 20.4971



Tritanopia

45.6622, 55.4535, 79.5311

Trichromacy



Original Color

33.8060, 55.9759, 19.3786



Protanomaly

41.7242, 53.7143, 17.4013



Deuteranomaly

44.3923, 53.2858, 19.7498



Tritanomaly

39.7561, 54.9004, 50.0964

Monochromacy



Original Color

33.8060, 55.9759, 19.3786



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.4040, 45.0131, 32.8090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8060, 55.9759, 19.3786 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(104, 222, 93)` looks like.

```
.text, #text, p{  
    color:rgb(104, 222, 93)  
}
```

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(104, 222, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 222, 93) }
```

Border

The CSS property to change the border of an element to XYZ 33.8060, 55.9759, 19.3786 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(104, 222, 93) }
```


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

```
.border{ border-color:rgb(104, 222, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 222, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 222, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 222, 93);  
box-shadow:4px 4px 4px 4px rgb(104, 222,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8060, 55.9759, 19.3786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 222, 93) }
```

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

```
.background{ background-color: rgb(104,  
222, 93) }
```

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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