

Converting Colors

XYZ(33.6400, 55.5361, 17.5409)

Have a look what the booklet for
XYZ(33.6400, 55.5361, 17.5409)
contains.

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Color

**XYZ(33.6805, 55.5569,
17.5427)**

Conversions

Conversions Part 1

Format	Color
Hex	6CDD55
RGB	108, 221, 85
RGB Percent	42%, 87%, 33%
CMY	0.5765, 0.1333, 0.6667
CMYK	0.51, 0.00, 0.62, 0.13
HSL	110°, 67%, 60%
HSV	110°, 62%, 87%
XYZ	33.6805, 55.5569, 17.5427
YIQ	171.7090, -23.6920, -66.2520

Conversions

Conversions Part 2

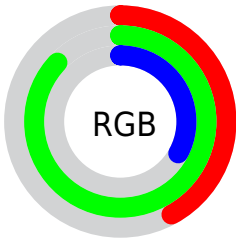
Format	Color
RYB	85, 221, 198
Decimal	7134549
CIELab	79.36, -57.22, 55.59
CIElCh	79, 79.773, 135.828
Yxy	55.5569, 0.3154, 0.5203
Android (android.graphics.Color)	4285324629 (0xFF6CDD55)
YUV	171.7090, -42.7475, -55.8728
Hunter-Lab	74.5365, -49.7808, 38.2212

Details

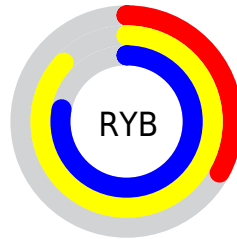
The XYZ color **33.6805, 55.5569, 17.5427** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **39.5912, 23.7251, 70.9023**, and the grayscale version is **39.2846, 41.3305, 45.0089**.

A 20% lighter version of the original color is **56.3566, 81.5996, 37.2061**, and **14.6196, 27.4863, 5.6335** is the 20% darker color. If you saturate the color by 10%, you get **30.9333, 54.2284, 13.5253**, and if you desaturate by 10%, it is **37.1749, 57.2422, 23.0282**.

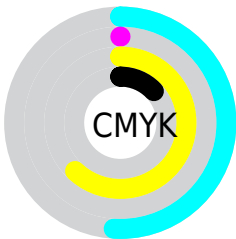
Distribution



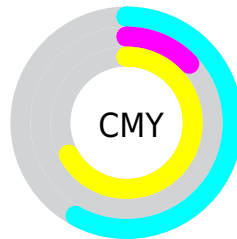
- Red (42%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (78%)



- Cyan (51%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)



- Cyan (58%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6805, 55.5569, 17.5427 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 33.6805, 55.5569, 17.5427 by changing the saturation by 10% instead.

33.6805, 55.5569,
17.5427

33.6805, 55.5569,
17.5427

310.3161,
408.0195, 250.4296

22.8100, 39.8478,
10.4561

64.7841, 98.3564,
40.0599

14.5732, 27.4199,
5.5929

85.7479, 126.2156,
56.3276

8.6047, 17.8888,
2.5344

110.8069,
158.8936, 76.4928

4.5393, 10.8702,
0.8583

140.3263,
196.7748, 100.9740

2.0115, 5.9796,
0.0000

174.6716,
240.2436, 130.1897

0.6404, 2.8327,
0.0000

214.2081,

0.0000, 1.0450,

289.6844, 164.5586

0.0000

259.3011,
345.4815, 204.4990

■ 0.0000, 0.0000,
0.0000

■ 33.6805, 55.5569,
17.5427

■ 33.6805, 55.5569,
17.5427

■ 30.9333, 54.2284,
13.5253

■ 37.1749, 57.2422,
23.0282

■ 28.8730, 53.2238,
10.8313

■ 41.4627, 59.3006,
30.1011

■ 27.4361, 52.5156,
9.2934

■ 46.5912, 61.7555,
38.8727

■ 26.6339, 52.1153,
8.6555

■ 52.6024, 64.6267,
49.4430

■ 59.5359, 67.9324,
61.9046

■ 67.4286, 71.6898,
76.3436

■ 76.3153, 75.9152,
92.8408

■ 85.1136, 80.1776,
105.5976

■ 85.1476, 80.1951,
105.5992

Harmonies

Analogous

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



44.8554, 55.5569, 9.1701



33.6805, 55.5569, 17.5427



28.2533, 55.5569, 41.3939

Triad

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



33.6805, 55.5569, 17.5427



45.6299, 55.5569, 192.3222



88.2511, 55.5569, 39.5138

Complementary

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



33.6805, 55.5569, 17.5427



39.5912, 23.7251, 70.9023

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.



88.5755, 55.5569, 84.7118



33.6805, 55.5569, 17.5427



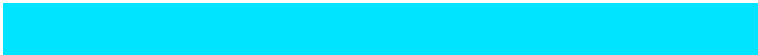
61.6427, 55.5569, 190.9012

Square

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



33.6805, 55.5569, 17.5427



34.1483, 55.5569, 148.1751



78.0692, 55.5569, 144.9283



77.2564, 55.5569, 16.7658

Rectangle

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



33.6805, 55.5569, 17.5427



27.7445, 55.5569, 69.8811



78.0692, 55.5569, 144.9283



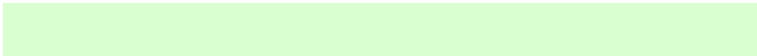
89.6766, 55.5569, 51.9840

Sweetspot

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



33.6818, 55.5592, 17.5439



75.8551, 90.8589, 73.9261



51.2158, 55.5406, 16.6162



15.6592, 19.1723, 14.7928



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.



33.6818, 55.5592, 17.5439



41.8117, 74.5251, 17.3818



33.5052, 55.2070, 29.3366



13.0907, 14.7115, 13.8752



15.5362, 30.3067, 5.0309



1.0702, 1.9963, 0.3289

Inverse Universe

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



39.5912, 23.7251, 70.9023



50.4756, 26.8542, 97.1308



41.0985, 25.0823, 44.7618



13.3870, 13.1576, 16.4862



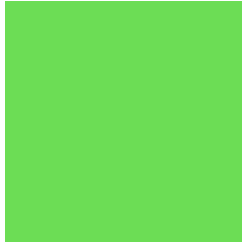
19.0970, 8.9691, 40.4631



1.2956, 0.6112, 2.6241

Previews

White Background



This preview shows how the XYZ color 33.6805, 55.5569, 17.5427 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 33.6805, 55.5569, 17.5427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

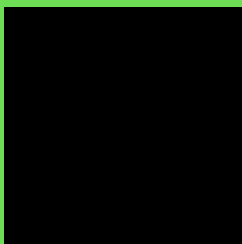
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

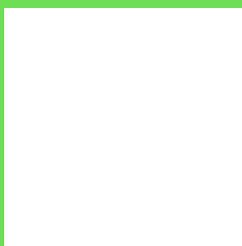
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6805, 55.5569, 17.5427

Background



This preview shows how black text looks on a background with the XYZ color 33.6805, 55.5569, 17.5427.



This preview shows how white text looks on a background with the XYZ color 33.6805, 55.5569,

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

33.6805, 55.5569, 17.5427

Protanopia

50.0285, 54.9353, 15.1745

Deuteranopia

55.5596, 54.4693, 18.4118



Tritanopia

45.7590, 55.1584, 78.7559

Trichromacy



Original Color

33.6805, 55.5569, 17.5427



Protanomaly

41.6766, 53.7217, 15.9573



Deuteranomaly

44.0500, 52.8086, 17.7689



Tritanomaly

39.5438, 54.4641, 47.9636

Monochromacy



Original Color

33.6805, 55.5569, 17.5427



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.5415, 45.1099, 31.6448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6805, 55.5569, 17.5427 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(108, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(108, 221, 85)  
}
```

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(108, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 33.6805, 55.5569, 17.5427 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(108, 221, 85) }
```


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

```
.border{ border-color:rgb(108, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(108, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6805, 55.5569, 17.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 221, 85) }
```

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

```
.background{ background-color: rgb(108,  
221, 85) }
```

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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