

Converting Colors

XYZ(55.5982, 71.9316, 33.6336)

Have a look what the booklet for
XYZ(55.5982, 71.9316, 33.6336)
contains.

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Color

**XYZ(55.4641, 71.7733,
33.4846)**

Conversions

Conversions Part 1

Format	Color
Hex	C0EA86
RGB	192, 234, 134
RGB Percent	75%, 92%, 53%
CMY	0.2471, 0.0823, 0.4745
CMYK	0.18, 0.00, 0.43, 0.08
HSL	85°, 70%, 72%
HSV	85°, 43%, 92%
XYZ	55.4641, 71.7733, 33.4846
YIQ	210.0420, 7.0680, -40.0040

Conversions

Conversions Part 2

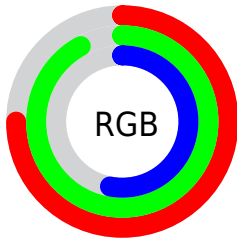
Format	Color
RYB	134, 234, 176
Decimal	12642950
CIELab	87.86, -29.84, 44.07
CIELCh	88, 53.225, 124.106
Yxy	71.7733, 0.3451, 0.4466
Android (android.graphics.Color)	4290833030 (0xFFC0EA86)
YUV	210.0420, -37.4887, -15.8228
Hunter-Lab	84.7191, -31.3977, 35.8695

Details

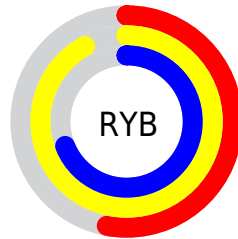
The XYZ color **55.4641, 71.7733, 33.4846** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.2838, 32.2228, 81.8896**, and the grayscale version is **61.5229, 64.7269, 70.4876**.

A 20% lighter version of the original color is **84.3696, 95.5181, 62.1342**, and **27.7599, 37.7684, 13.8096** is the 20% darker color. If you saturate the color by 10%, you get **51.6035, 69.9535, 25.7069**, and if you desaturate by 10%, it is **59.8556, 73.8295, 43.1749**.

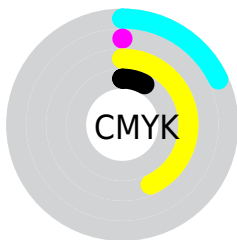
Distribution



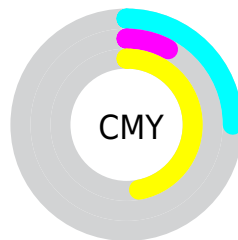
- Red (75%)
- Green (92%)
- Blue (53%)



- Red (53%)
- Yellow (92%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (43%)
- Black (8%)




- Cyan (25%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4641, 71.7733, 33.4846 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 55.4641, 71.7733, 33.4846 by changing the saturation by 10% instead.


 55.4641, 71.7733,
33.4846

 55.4641, 71.7733,
33.4846


397.7766,
466.7522, 332.5265


 40.0087, 52.9735,
22.2238


 97.3650, 121.7342,
66.2561

 27.7296, 37.7816,
13.8215


 124.5412,
153.6640, 88.6038

 18.2613, 25.8132,
7.8593


 156.3550,
190.7394, 115.4843

 11.2386, 16.6840,
3.9186

193.1719,
233.3446, 147.3160

 6.2960, 10.0094,
1.5808

235.3571,
281.8641, 184.5176

 3.0683, 5.4052,
0.2771

283.2761,

 1.1900, 2.4869,

336.6823, 227.5075

0.0000

337.2942,
398.1835, 276.7043

0.0984, 0.8701,
0.0000

0.0000, 0.0000,
0.0000

55.4641, 71.7733,
33.4846

55.4641, 71.7733,
33.4846

51.6035, 69.9535,
25.7069

59.8556, 73.8295,
43.1749

48.2413, 68.3495,
19.7103


64.7977, 76.1232,
54.8886


45.3487, 66.9517,
15.3537


70.3155, 78.6669,
68.7335


42.8914, 65.7461,
12.4731


76.4305, 81.4699,
84.8085

 40.8280, 64.7158,
10.8699

 83.1633, 84.5405,
103.2060

 39.5312, 64.0589,
10.2811

 87.2491, 86.5733,
106.7195

 88.7143, 87.3287,
106.7881

Harmonies

Analogous

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



66.4910, 71.7733, 27.2125



55.4641, 71.7733, 33.4846



48.5868, 71.7733, 51.4958

Triad

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



55.4641, 71.7733, 33.4846



58.1344, 71.7733, 159.0950



95.4800, 71.7733, 73.2650

Complementary

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



55.4641, 71.7733, 33.4846



41.2838, 32.2228, 81.8896

Split Complementary

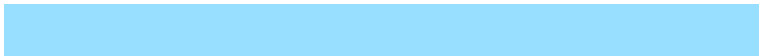
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.5324, 71.7733, 112.7026



55.4641, 71.7733, 33.4846



69.9754, 71.7733, 170.2989

Square

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



55.4641, 71.7733, 33.4846



49.9895, 71.7733, 124.0974



82.7918, 71.7733, 151.2144



90.4140, 71.7733, 45.2252

Rectangle

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



55.4641, 71.7733, 33.4846



46.7644, 71.7733, 71.2090



82.7918, 71.7733, 151.2144



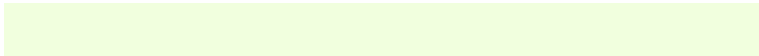
95.3972, 71.7733, 85.5257

Sweetspot

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



55.4659, 71.7765, 33.4861



85.2262, 95.5000, 82.9433



53.6975, 50.1362, 29.4024



17.9115, 20.2889, 16.9096



0.0000, 0.0000, 0.0000



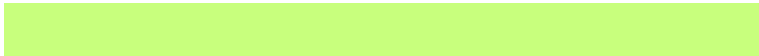
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.4659, 71.7765, 33.4861



63.3778, 85.3303, 32.5153



44.9407, 66.3505, 32.9936



15.7052, 17.2935, 16.0290



22.3599, 36.0714, 5.7840



1.8651, 2.8888, 0.4593

Inverse Universe

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



41.2838, 32.2228, 81.8896



44.1012, 31.5271, 98.3687



54.6387, 39.1075, 82.5146



14.8308, 14.8581, 19.0085



11.3300, 4.8767, 44.0871



0.9972, 0.4384, 3.4669

Previews

White Background



This preview shows how the XYZ color 55.4641, 71.7733, 33.4846 looks on a white background.

Color Contrast Check

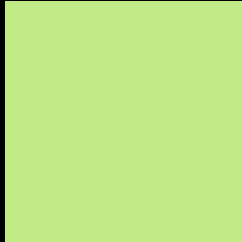
Large Text (above 18pt) WCAG AA × Fail

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 55.4641, 71.7733, 33.4846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

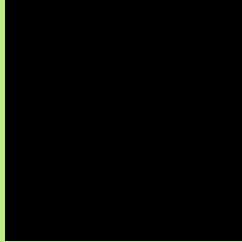
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4641, 71.7733, 33.4846

Background



This preview shows how black text looks on a background with the XYZ color 55.4641, 71.7733, 33.4846.

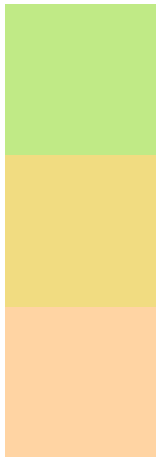


This preview shows how white text looks on a background with the XYZ color 55.4641, 71.7733,

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

55.4641, 71.7733, 33.4846

Protanopia

65.8313, 71.4722, 31.0947

Deuteranopia

71.3943, 70.9913, 44.5901



Tritanopia

67.4334, 71.7399, 91.9544

Trichromacy



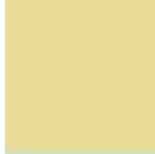
Original Color

55.4641, 71.7733, 33.4846



Protanomaly

61.4534, 71.1771, 31.9723



Deuteranomaly

64.5394, 70.6092, 39.9331



Tritanomaly

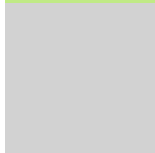
62.0961, 71.1663, 65.7220

Monochromacy



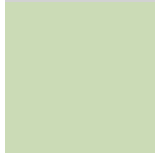
Original Color

55.4641, 71.7733, 33.4846



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.4036, 66.7369, 54.0593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4641, 71.7733, 33.4846 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(192, 234, 134)` looks like.

```
.text, #text, p{  
    color:rgb(192, 234, 134)  
}
```

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(192, 234, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 234, 134) }
```

Border

The CSS property to change the border of an element to XYZ 55.4641, 71.7733, 33.4846 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(192, 234, 134) }
```


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

```
.border{ border-color:rgb(192, 234, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 234, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 234, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 234, 134);  
box-shadow:4px 4px 4px 4px rgb(192, 234,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4641, 71.7733, 33.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 234, 134) }
```

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

```
.background{ background-color: rgb(192,  
234, 134) }
```

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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