

Converting Colors

XYZ(53.6845, 66.2270, 31.5802)

Have a look what the booklet for
XYZ(53.6845, 66.2270, 31.5802)
contains.

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Color

**XYZ(53.7731, 66.4198,
31.4589)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DF83
RGB	198, 223, 131
RGB Percent	78%, 87%, 51%
CMY	0.2235, 0.1255, 0.4863
CMYK	0.11, 0.00, 0.41, 0.13
HSL	76°, 59%, 69%
HSV	76°, 41%, 87%
XYZ	53.7731, 66.4198, 31.4589
YIQ	205.0370, 14.6320, -33.9120

Conversions

Conversions Part 2

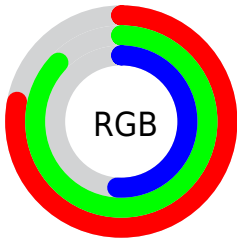
Format	Color
RYB	131, 223, 156
Decimal	13033347
CIELab	85.21, -22.72, 42.28
CIElCh	85, 47.997, 118.246
Yxy	66.4198, 0.3546, 0.4380
Android (android.graphics.Color)	4291223427 (0xFFC6DF83)
YUV	205.0370, -36.5002, -6.1714
Hunter-Lab	81.4983, -24.8467, 34.1625

Details

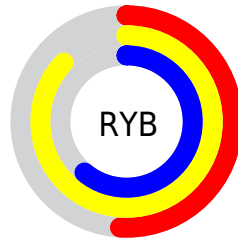
The XYZ color **53.7731, 66.4198, 31.4589** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **35.1485, 28.6300, 73.4894**, and the grayscale version is **58.2717, 61.3064, 66.7627**.

A 20% lighter version of the original color is **85.7570, 96.2828, 59.9635**, and **26.7416, 34.4094, 12.6294** is the 20% darker color. If you saturate the color by 10%, you get **50.8562, 65.0744, 24.2643**, and if you desaturate by 10%, it is **57.0825, 67.9342, 40.3725**.

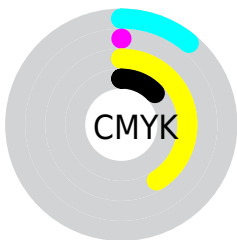
Distribution



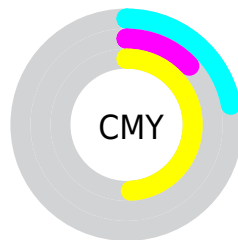
- Red (78%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)



- Cyan (22%)
- Magenta (13%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7731, 66.4198, 31.4589 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 53.7731, 66.4198, 31.4589 by changing the saturation by 10% instead.

■ 53.7731, 66.4198,
31.4589

■ 53.7731, 66.4198,
31.4589

391.4567,
447.8767, 323.0634

■ 38.6502, 48.6133,
20.6871

■ 94.8999, 114.0886,
63.0499

■ 26.6672, 34.3128,
12.7065

■ 121.6345,
144.7198, 84.7062

■ 17.4588, 23.1340,
7.0984

■ 152.9704,
180.3945, 110.8277

■ 10.6594, 14.6925,
3.4443

189.2729,
221.4973, 141.8331

■ 5.9039, 8.6039,
1.3258

230.9075,
268.4125, 178.1408

■ 2.8268, 4.4837,
0.0828

278.2394,

■ 1.0629, 1.9477,

321.5246, 220.1694

0.0000

331.6340,
381.2178, 268.3374

0.0000, 0.5768,
0.0000

0.0000, 0.0000,
0.0000

53.7731, 66.4198,
31.4589

53.7731, 66.4198,
31.4589

50.8562, 65.0744,
24.2643

57.0825, 67.9342,
40.3725

48.3051, 63.8804,
18.6734


60.7995, 69.6167,
51.1019


46.0972, 62.8309,
14.5636


64.9442, 71.4779,
63.7419


44.2047, 61.9146,
11.7927


69.5336, 73.5246,
78.3793


 42.5945, 61.1183,
10.1908


 74.5840, 75.7634,
95.0957

 41.3698, 60.5010,
9.4975

 78.4912, 77.5527,
105.4400

 80.5195, 78.5984,
105.5349

 82.6167, 79.6795,
105.6331

 84.7833, 80.7964,
105.7344

Harmonies

Analogous

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



63.7698, 66.4198, 27.5677



53.7731, 66.4198, 31.4589



47.0177, 66.4198, 45.2409

Triad

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



53.7731, 66.4198, 31.4589



52.7868, 66.4198, 135.8573



86.3319, 66.4198, 74.1615

Complementary

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



53.7731, 66.4198, 31.4589



35.1485, 28.6300, 73.4894

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.



82.5576, 66.4198, 108.4910



53.7731, 66.4198, 31.4589



62.4945, 66.4198, 149.8700

Square

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



53.7731, 66.4198, 31.4589



46.4957, 66.4198, 104.3985



73.5139, 66.4198, 138.6567



83.3225, 66.4198, 47.5942

Rectangle

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



53.7731, 66.4198, 31.4589



44.8482, 66.4198, 60.8320



73.5139, 66.4198, 138.6567



85.8067, 66.4198, 85.1700

Sweetspot

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



53.7747, 66.4228, 31.4603



87.5150, 96.6402, 84.8467



46.3409, 40.9493, 26.9352



18.5677, 20.6115, 17.6519



0.0000, 0.0000, 0.0000



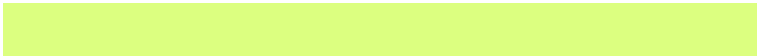
20.3446, 21.4041, 23.3091

Same Dimension

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



53.7747, 66.4228, 31.4603



69.2438, 88.3352, 33.6508



43.5231, 61.1378, 30.9805



14.4895, 15.8325, 14.5991



24.4370, 35.6302, 5.5894



1.7782, 2.5132, 0.3914

Inverse Universe

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



35.1485, 28.6300, 73.4894



40.6355, 30.2256, 98.3001



45.6690, 34.0535, 73.9818



13.2999, 13.4226, 17.2775



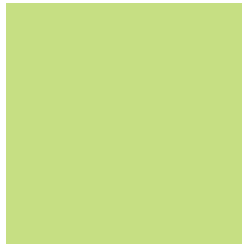
9.0420, 3.7567, 41.2969



0.7113, 0.3040, 2.8664

Previews

White Background



This preview shows how the XYZ color 53.7731, 66.4198, 31.4589 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 53.7731, 66.4198, 31.4589 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 53.7731, 66.4198, 31.4589

Background



This preview shows how black text looks on a background with the XYZ color 53.7731, 66.4198, 31.4589.



This preview shows how white text looks on a background with the XYZ color 53.7731, 66.4198,

31.4589.

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

53.7731, 66.4198, 31.4589

Protanopia

60.9037, 66.2766, 29.6614

Deuteranopia

67.1834, 65.8069, 33.2058



Tritanopia

64.1254, 66.3900, 82.8336

Trichromacy



Original Color

53.7731, 66.4198, 31.4589

Protanomaly

58.2243, 66.3999, 30.1698

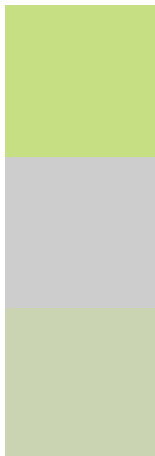
Deuteranomaly

61.3515, 65.3349, 32.2990

Tritanomaly

59.6351, 66.0838, 60.0644

Monochromacy



Original Color

53.7731, 66.4198, 31.4589

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

55.9365, 62.8579, 51.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.7731, 66.4198, 31.4589 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(198, 223, 131)` looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 131)  
}
```

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(198, 223, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 131) }
```

Border

The CSS property to change the border of an element to XYZ 53.7731, 66.4198, 31.4589 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(198, 223, 131) }
```


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

```
.border{ border-color:rgb(198, 223, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 223, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 223, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 223, 131);  
box-shadow:4px 4px 4px 4px rgb(198, 223,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 53.7731, 66.4198, 31.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 131) }
```

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

```
.background{ background-color: rgb(198,  
223, 131) }
```

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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