

Converting Colors

XYZ(53.5683, 71.0332, 34.2053)

Have a look what the booklet for
XYZ(53.5683, 71.0332, 34.2053)
contains.

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Color

**XYZ(53.6807, 71.2615,
34.2181)**

Conversions

Conversions Part 1

Format	Color
Hex	B7EB88
RGB	183, 235, 136
RGB Percent	72%, 92%, 53%
CMY	0.2824, 0.0784, 0.4667
CMYK	0.22, 0.00, 0.42, 0.08
HSL	92°, 71%, 73%
HSV	92°, 42%, 92%
XYZ	53.6807, 71.2615, 34.2181
YIQ	208.1660, 0.7870, -41.8130

Conversions

Conversions Part 2

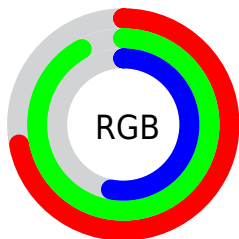
Format	Color
RYB	136, 235, 188
Decimal	12053384
CIELab	87.61, -33.31, 42.67
CIELCh	88, 54.125, 127.976
Yxy	71.2615, 0.3373, 0.4477
Android (android.graphics.Color)	4290243464 (0xFFB7EB88)
YUV	208.1660, -35.5778, -22.0706
Hunter-Lab	84.4165, -34.2203, 35.0585

Details

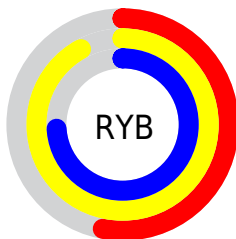
The XYZ color **53.6807, 71.2615, 34.2181** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.5416, 34.2999, 82.8741**, and the grayscale version is **60.2868, 63.4264, 69.0713**.

A 20% lighter version of the original color is **81.0992, 93.8069, 63.1224**, and **26.6224, 37.4695, 14.2167** is the 20% darker color. If you saturate the color by 10%, you get **49.3822, 69.2200, 26.2343**, and if you desaturate by 10%, it is **58.6065, 73.5884, 44.1454**.

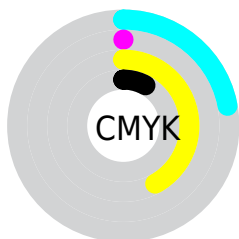
Distribution



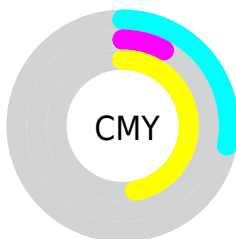
- Red (72%)
- Green (92%)
- Blue (53%)



- Red (53%)
- Yellow (92%)
- Blue (74%)



- Cyan (22%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)





- Cyan (28%)
- Magenta (8%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6807, 71.2615, 34.2181 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 53.6807, 71.2615, 34.2181 by changing the saturation by 10% instead.


 53.6807, 71.2615,
34.2181


 53.6807, 71.2615,
34.2181


391.1095,
464.9671, 335.9023


 38.5761, 52.5556,
22.7825


 94.7649, 121.0060,
67.4105

 26.6094, 37.4481,
14.2292


 121.4752,
152.8134, 90.0043

 17.4151, 25.5547,
8.1397


 152.7848,
189.7568, 117.1546

 10.6280, 16.4908,
4.0954

189.0591,
232.2205, 149.2799

 5.8827, 9.8721,
1.6778

230.6633,
280.5890, 186.7988

 2.8139, 5.3142,
0.3455


277.9629,

 1.0561, 2.4328,


335.2467, 230.1298


0.0000


331.3232,
396.5779, 279.6914


 0.0000, 0.8427,
0.0000


 0.0000, 0.0000,
0.0000


 53.6807, 71.2615,
34.2181


 53.6807, 71.2615,
34.2181


 49.3822, 69.2200,
26.2343


 58.6065, 73.5884,
44.1454


 45.6749, 67.4416,
20.0618


 64.1826, 76.2036,
56.1278

 42.5267, 65.9151,
15.5590


 70.4373, 79.1214,
70.2737


 39.8991, 64.6241,
12.5614

 77.3951, 82.3523,
86.6829

 37.7473, 63.5500,
10.8708

 85.0797, 85.9064,
105.4485

 36.3360, 62.8356,
10.2134

 88.9998, 87.8996,
106.8833

Harmonies

Analogous

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



64.3720, 71.2615, 26.6079



53.6807, 71.2615, 34.2181



47.3717, 71.2615, 54.0355

Triad

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



53.6807, 71.2615, 34.2181



58.9106, 71.2615, 163.0551



95.1638, 71.2615, 68.2111

Complementary

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



53.6807, 71.2615, 34.2181



44.5416, 34.2999, 82.8741

Split Complementary

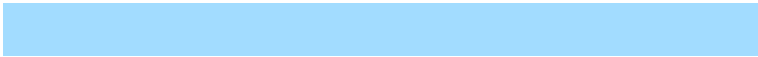
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2218, 71.2615, 107.1576



53.6807, 71.2615, 34.2181



71.2068, 71.2615, 170.4896

Square

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



53.6807, 71.2615, 34.2181



50.1154, 71.2615, 129.5828



84.0432, 71.2615, 147.5206



89.0573, 71.2615, 41.7822

Rectangle

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



53.6807, 71.2615, 34.2181



45.9817, 71.2615, 75.1274



84.0432, 71.2615, 147.5206



95.4437, 71.2615, 80.1092

Sweetspot

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



53.6825, 71.2646, 34.2196



84.0460, 94.8916, 82.8881



56.5098, 55.0467, 30.9403



17.6204, 20.1388, 16.8960



0.0000, 0.0000, 0.0000



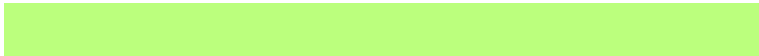
20.3446, 21.4041, 23.3091

Same Dimension

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



53.6825, 71.2646, 34.2196



59.8753, 83.5247, 32.3514



44.4259, 66.4790, 34.4034



15.5485, 17.2128, 16.0216



20.3669, 35.0440, 5.6907



1.7097, 2.8087, 0.4520

Inverse Universe

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



44.5416, 34.2999, 82.8741



47.4369, 33.2467, 98.5248



57.8260, 41.1756, 82.2570



14.9864, 14.9382, 19.0158



13.0757, 5.7767, 44.1688



1.1378, 0.5108, 3.4735

Previews

White Background



This preview shows how the XYZ color 53.6807, 71.2615, 34.2181 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 53.6807, 71.2615, 34.2181 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 53.6807, 71.2615, 34.2181

Background



This preview shows how black text looks on a background with the XYZ color 53.6807, 71.2615, 34.2181.

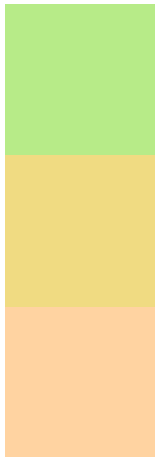


This preview shows how white text looks on a background with the XYZ color 53.6807, 71.2615,

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

53.6807, 71.2615, 34.2181

Protanopia

65.2960, 70.8000, 31.3434

Deuteranopia

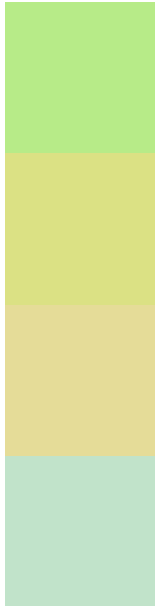
70.9673, 70.4217, 43.5706



Tritanopia

65.4046, 71.0724, 92.7092

Trichromacy



Original Color

53.6807, 71.2615, 34.2181

Protanomaly

60.3035, 70.5764, 32.2741

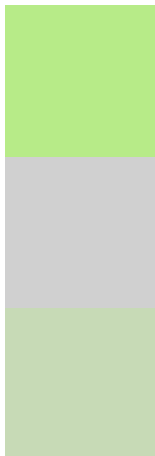
Deuteranomaly

63.5738, 70.1114, 39.8879

Tritanomaly

60.1221, 70.5399, 66.3239

Monochromacy



Original Color

53.6807, 71.2615, 34.2181

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.0681, 65.6623, 53.9223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6807, 71.2615, 34.2181 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(183, 235, 136)` looks like.

```
.text, #text, p{  
    color:rgb(183, 235, 136)  
}
```

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(183, 235, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 235, 136) }
```

Border

The CSS property to change the border of an element to XYZ 53.6807, 71.2615, 34.2181 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(183, 235, 136) }
```


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

```
.border{ border-color:rgb(183, 235, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 235, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 235, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 235, 136);  
box-shadow:4px 4px 4px 4px rgb(183, 235,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6807, 71.2615, 34.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 235, 136) }
```

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

```
.background{ background-color: rgb(183,  
235, 136) }
```

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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