

Converting Colors

XYZ(53.1780, 68.1726, 35.7605)

Have a look what the booklet for
XYZ(53.1780, 68.1726, 35.7605)
contains.

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Color

**XYZ(53.1194, 68.0046,
35.9177)**

Conversions

Conversions Part 1

Format	Color
Hex	BBE48E
RGB	187, 228, 142
RGB Percent	73%, 89%, 56%
CMY	0.2667, 0.1059, 0.4431
CMYK	0.18, 0.00, 0.38, 0.11
HSL	89°, 61%, 73%
HSV	89°, 38%, 89%
XYZ	53.1194, 68.0046, 35.9177
YIQ	205.9370, 3.1700, -35.4380

Conversions

Conversions Part 2

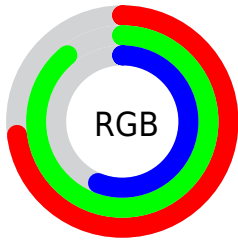
Format	Color
RYB	142, 228, 183
Decimal	12313742
CIELab	86.01, -27.84, 37.69
CIELCh	86, 46.855, 126.455
Yxy	68.0046, 0.3383, 0.4330
Android (android.graphics.Color)	4290503822 (0xFFBBE48E)
YUV	205.9370, -31.5209, -16.6077
Hunter-Lab	82.4649, -29.3336, 31.9016

Details

The XYZ color **53.1194, 68.0046, 35.9177** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.2079, 35.0167, 77.8842**, and the grayscale version is **58.8214, 61.8847, 67.3924**.

A 20% lighter version of the original color is **83.1463, 94.7843, 66.7363**, and **26.1137, 35.1488, 15.0809** is the 20% darker color. If you saturate the color by 10%, you get **49.0205, 66.0716, 27.6859**, and if you desaturate by 10%, it is **57.7732, 70.1874, 46.0059**.

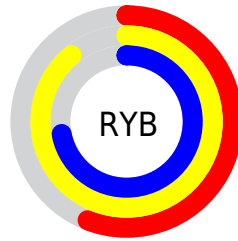
Distribution



Red (73%)

Green (89%)

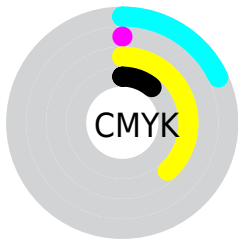
Blue (56%)



Red (56%)

Yellow (89%)

Blue (72%)

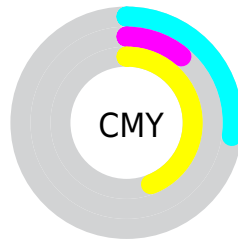


Cyan (18%)

Magenta (0%)

Yellow (38%)

Black (11%)



Cyan (27%)


Magenta (11%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.1194, 68.0046, 35.9177 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 53.1194, 68.0046, 35.9177 by changing the saturation by 10% instead.


 53.1194, 68.0046,
35.9177


 53.1194, 68.0046,
35.9177


388.9964,
453.5123, 343.6272

 38.1260, 49.9015,
24.0815


 93.9445, 116.3587,
70.0726

 26.2581, 35.3351,
15.1813


 120.5069,
147.3785, 93.2284

 17.1505, 23.9211,
8.7987


151.6564,
183.4726, 120.9944

 10.4378, 15.2751,
4.5151

187.7582,
225.0255, 153.7892

 5.7547, 9.0127,
1.9120

229.1777,
272.4215, 192.0314

 2.7357, 4.7495,
0.5003

276.2804,

 1.0156, 2.1010,

326.0451, 236.1394

0.0000

329.4315,
386.2805, 286.5318

0.0000, 0.6652,
0.0000

0.0000, 0.0000,
0.0000

53.1194, 68.0046,
35.9177

53.1194, 68.0046,
35.9177

49.0205, 66.0716,
27.6859

57.7732, 70.1874,
46.0059

45.4455, 64.3687,
21.1927

63.0009, 72.6212,
58.0500

42.3677, 62.8868,
16.3137

68.8264, 75.3183,
72.1474

39.7553, 61.6128,
12.9061

75.2708, 78.2878,
88.3880

■ 37.5714, 60.5312,
10.8021

■ 82.1918, 81.4730,
106.0016

■ 35.7675, 59.6222,
9.7724

■ 86.0217, 83.4474,
106.1809

■ 35.3932, 59.4326,
9.6062

■ 87.0348, 83.9697,
106.2283

Harmonies

Analogous

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



62.3410, 68.0046, 29.4350



53.1194, 68.0046, 35.9177



47.4836, 68.0046, 52.8320

Triad

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



53.1194, 68.0046, 35.9177



56.7283, 68.0046, 142.6250



87.4195, 68.0046, 67.5898

Complementary

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



53.1194, 68.0046, 35.9177



43.2079, 35.0167, 77.8842

Split Complementary

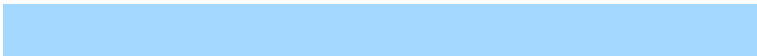
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4902, 68.0046, 100.2904



53.1194, 68.0046, 35.9177



66.9873, 68.0046, 149.7881

Square

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



53.1194, 68.0046, 35.9177



49.4001, 68.0046, 115.0684



77.7081, 68.0046, 132.5716



82.7216, 68.0046, 44.1548

Rectangle

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



53.1194, 68.0046, 35.9177



46.1283, 68.0046, 70.4462



77.7081, 68.0046, 132.5716



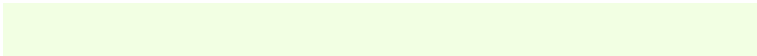
87.5314, 68.0046, 77.7653

Sweetspot

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



53.1211, 68.0076, 35.9192



86.1080, 95.8744, 86.6041



53.6353, 51.9600, 32.7946



18.2092, 20.4186, 17.9987



0.0000, 0.0000, 0.0000



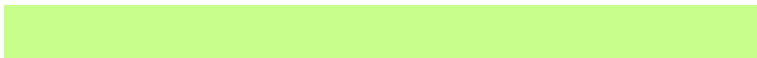
20.3446, 21.4041, 23.3091

Same Dimension

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



53.1211, 68.0076, 35.9192



64.4087, 85.7400, 38.0625



44.2815, 63.4506, 35.5055



14.9053, 16.4583, 15.2956



20.5742, 34.3879, 5.5532



1.6275, 2.5964, 0.4154

Inverse Universe

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



43.2079, 35.0167, 77.8842



49.9603, 37.6462, 99.2410



54.7722, 40.9783, 78.4254



14.2333, 14.2225, 18.1394



11.8422, 5.1708, 42.7571



0.9818, 0.4371, 3.1646

Previews

White Background



This preview shows how the XYZ color 53.1194, 68.0046, 35.9177 looks on a white background.

Color Contrast Check

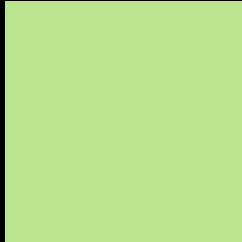
Large Text (above 18pt) WCAG AA × Fail

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 53.1194, 68.0046, 35.9177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

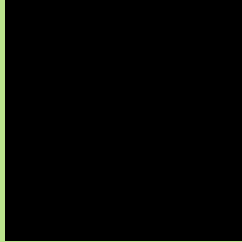
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.1194, 68.0046, 35.9177

Background



This preview shows how black text looks on a background with the XYZ color 53.1194, 68.0046, 35.9177.



This preview shows how white text looks on a background with the XYZ color 53.1194, 68.0046,

35.9177.

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

53.1194, 68.0046, 35.9177

Protanopia

62.7475, 67.8994, 33.4657

Deuteranopia

68.8163, 67.6046, 38.2761



Tritanopia

63.4836, 67.8456, 87.5915

Trichromacy



Original Color

53.1194, 68.0046, 35.9177

Protanomaly

58.8687, 67.8022, 34.4105

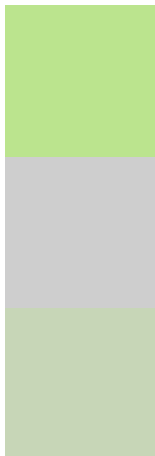
Deuteranomaly

61.9462, 67.0227, 37.2755

Tritanomaly

58.9047, 67.5321, 65.1887

Monochromacy



Original Color

53.1194, 68.0046, 35.9177

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

56.1470, 63.6541, 54.1270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1194, 68.0046, 35.9177 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(187, 228, 142)` looks like.

```
.text, #text, p{  
    color:rgb(187, 228, 142)  
}
```

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(187, 228, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 228, 142) }
```

Border

The CSS property to change the border of an element to XYZ 53.1194, 68.0046, 35.9177 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(187, 228, 142) }
```


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

```
.border{ border-color:rgb(187, 228, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 228, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 228, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 228, 142);  
box-shadow:4px 4px 4px 4px rgb(187, 228,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1194, 68.0046, 35.9177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 228, 142) }
```

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

```
.background{ background-color: rgb(187,  
228, 142) }
```

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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