

Converting Colors

XYZ(53.3820, 68.8356, 32.5191)

Have a look what the booklet for
XYZ(53.3820, 68.8356, 32.5191)
contains.

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Color

**XYZ(53.5167, 69.1059,
32.7084)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE685
RGB	189, 230, 133
RGB Percent	74%, 90%, 52%
CMY	0.2588, 0.0980, 0.4784
CMYK	0.18, 0.00, 0.42, 0.10
HSL	85°, 66%, 71%
HSV	85°, 42%, 90%
XYZ	53.5167, 69.1059, 32.7084
YIQ	206.6830, 6.7010, -38.8590

Conversions

Conversions Part 2

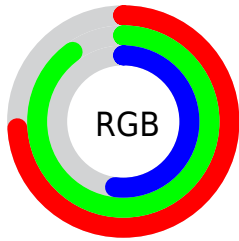
Format	Color
RYB	133, 230, 174
Decimal	12445317
CIELab	86.56, -29.18, 42.88
CIELCh	87, 51.861, 124.236
Yxy	69.1059, 0.3445, 0.4449
Android (android.graphics.Color)	4290635397 (0xFFBDE685)
YUV	206.6830, -36.3257, -15.5080
Hunter-Lab	83.1300, -30.5642, 34.8627

Details

The XYZ color **53.5167, 69.1059, 32.7084** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1288, 31.4888, 78.8297**, and the grayscale version is **59.3290, 62.4187, 67.9740**.

A 20% lighter version of the original color is **83.0874, 94.8820, 60.9486**, and **26.4528, 35.9345, 13.3264** is the 20% darker color. If you saturate the color by 10%, you get **49.7674, 67.3392, 25.1272**, and if you desaturate by 10%, it is **57.7790, 71.1012, 42.1325**.

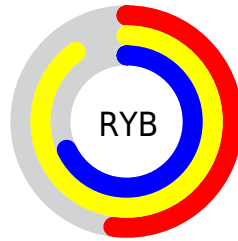
Distribution



Red (74%)

Green (90%)

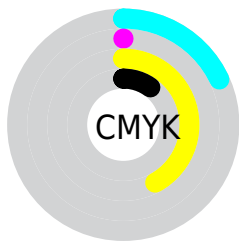
Blue (52%)



Red (52%)

Yellow (90%)

Blue (68%)

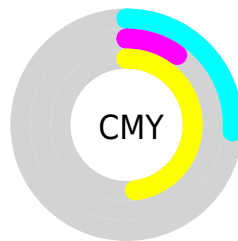


Cyan (18%)

Magenta (0%)

Yellow (42%)

Black (10%)



Cyan (26%)


Magenta (10%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5167, 69.1059, 32.7084 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 53.5167, 69.1059, 32.7084 by changing the saturation by 10% instead.


 53.5167, 69.1059,
32.7084


 53.5167, 69.1059,
32.7084


390.4928,
457.4044, 328.9253


 38.4445, 50.7980,
21.6339


 94.5253, 117.9328,
65.0308

 26.5067, 36.0478,
13.3924


 121.1925,
149.2206, 87.1157

 17.3377, 24.4711,
7.5654


 152.4554,
185.6038, 113.7078

 10.5724, 15.6835,
3.7344

188.6793,
227.4667, 145.2256

 5.8452, 9.3005,
1.4808

230.2297,
275.1939, 182.0878

 2.7910, 4.9377,
0.2036

277.4718,

 1.0442, 2.2107,

329.1696, 224.7128

0.0000

330.7711,
389.7783, 273.5191

■ 0.0000, 0.7258,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.5167, 69.1059,
32.7084

■ 53.5167, 69.1059,
32.7084

■ 49.7674, 67.3392,
25.1272

■ 57.7790, 71.1012,
42.1325

■ 46.5001, 65.7812,
19.2634


■ 62.5733, 73.3260,
53.5051


■ 43.6873, 64.4230,
14.9830


■ 67.9234, 75.7925,
66.9292


■ 41.2963, 63.2510,
12.1300


■ 73.8500, 78.5093,
82.4990

 39.2879, 62.2493,
10.5169

 80.3729, 81.4847,
100.3032

 37.9360, 61.5650,
9.8838

 84.8251, 83.6521,
106.2834

 87.5883, 85.0766,
106.4128

Harmonies

Analogous

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



63.9904, 69.1059, 26.6477



53.5167, 69.1059, 32.7084



46.9858, 69.1059, 49.9791

Triad

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



53.5167, 69.1059, 32.7084



56.1382, 69.1059, 152.0064



91.5402, 69.1059, 70.4598

Complementary

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



53.5167, 69.1059, 32.7084



40.1288, 31.4888, 78.8297

Split Complementary

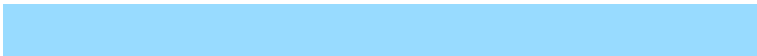
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7798, 69.1059, 107.8479



53.5167, 69.1059, 32.7084



67.4053, 69.1059, 162.4666

Square

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



53.5167, 69.1059, 32.7084



48.3647, 69.1059, 118.9769



79.5663, 69.1059, 144.3253



86.7089, 69.1059, 43.8047

Rectangle

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



53.5167, 69.1059, 32.7084



45.2626, 69.1059, 68.7888



79.5663, 69.1059, 144.3253



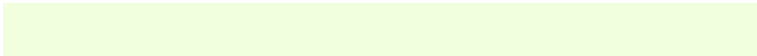
91.4731, 69.1059, 82.0922

Sweetspot

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



53.5184, 69.1089, 32.7099



85.1958, 95.4843, 82.9419



51.8930, 48.5660, 28.8304



17.9040, 20.2851, 16.9093



0.0000, 0.0000, 0.0000



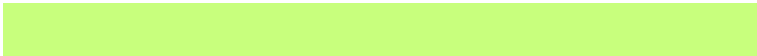
20.3446, 21.4041, 23.3091

Same Dimension

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



53.5184, 69.1089, 32.7099



63.2846, 85.2822, 32.5110



43.5313, 63.9604, 32.2425



14.9822, 16.4979, 15.2992



21.6187, 34.9263, 5.6020



1.7031, 2.6353, 0.4189

Inverse Universe

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



40.1288, 31.4888, 78.8297



44.1822, 31.5689, 98.3725



52.7718, 38.0065, 79.4214



14.1574, 14.1834, 18.1358



11.0236, 4.7488, 42.7188



0.9188, 0.4046, 3.1616

Previews

White Background



This preview shows how the XYZ color 53.5167, 69.1059, 32.7084 looks on a white background.

Color Contrast Check

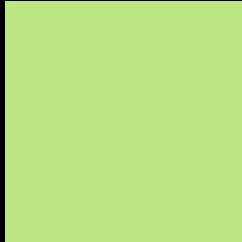
Large Text (above 18pt) WCAG AA × Fail

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 53.5167, 69.1059, 32.7084 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 53.5167, 69.1059, 32.7084

Background



This preview shows how black text looks on a background with the XYZ color 53.5167, 69.1059, 32.7084.



This preview shows how white text looks on a background with the XYZ color 53.5167, 69.1059,

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

53.5167, 69.1059, 32.7084

Protanopia

63.3772, 68.6748, 30.3373

Deuteranopia

69.3818, 68.6061, 38.8636



Tritanopia

64.6954, 68.8375, 88.4744

Trichromacy



Original Color

53.5167, 69.1059, 32.7084

Protanomaly

59.4009, 68.5403, 31.2179

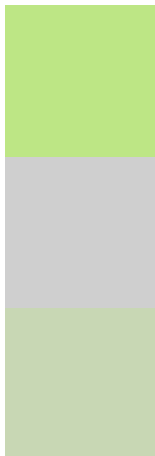
Deuteranomaly

62.5449, 68.1143, 36.2365

Tritanomaly

59.6030, 68.3255, 63.4728

Monochromacy



Original Color

53.5167, 69.1059, 32.7084

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

56.3581, 64.1755, 52.5967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5167, 69.1059, 32.7084 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(189, 230, 133)` looks like.

```
.text, #text, p{  
    color:rgb(189, 230, 133)  
}
```

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(189, 230, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 230, 133) }
```

Border

The CSS property to change the border of an element to XYZ 53.5167, 69.1059, 32.7084 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(189, 230, 133) }
```


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

```
.border{ border-color:rgb(189, 230, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 230, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 230, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 230, 133);  
box-shadow:4px 4px 4px 4px rgb(189, 230,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5167, 69.1059, 32.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 230, 133) }
```

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

```
.background{ background-color: rgb(189,  
230, 133) }
```

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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