

Converting Colors

XYZ(50.4593, 67.2309, 35.2593)

Have a look what the booklet for
XYZ(50.4593, 67.2309, 35.2593)
contains.

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Color

**XYZ(50.2085, 66.9307,
35.0836)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE58C
RGB	174, 229, 140
RGB Percent	68%, 90%, 55%
CMY	0.3176, 0.1019, 0.4510
CMYK	0.24, 0.00, 0.39, 0.10
HSL	97°, 63%, 72%
HSV	97°, 39%, 90%
XYZ	50.2085, 66.9307, 35.0836
YIQ	202.4090, -4.2110, -39.3390

Conversions

Conversions Part 2

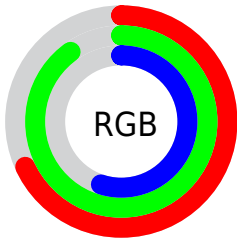
Format	Color
RYB	140, 229, 195
Decimal	11462028
CIELab	85.47, -33.18, 37.83
CIELCh	85, 50.321, 131.249
Yxy	66.9307, 0.3298, 0.4397
Android (android.graphics.Color)	4289652108 (0xFFAEE58C)
YUV	202.4090, -30.7676, -24.9147
Hunter-Lab	81.8112, -33.6220, 31.8421

Details

The XYZ color **50.2085, 66.9307, 35.0836** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.0294, 36.0173, 78.6583**, and the grayscale version is **56.5843, 59.5310, 64.8293**.

A 20% lighter version of the original color is **78.4526, 92.4040, 64.7398**, and **24.4508, 34.5848, 14.6194** is the 20% darker color. If you saturate the color by 10%, you get **45.7044, 64.7860, 26.9572**, and if you desaturate by 10%, it is **55.3997, 69.3931, 45.0791**.

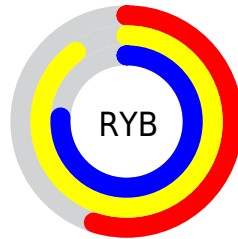
Distribution



Red (68%)

Green (90%)

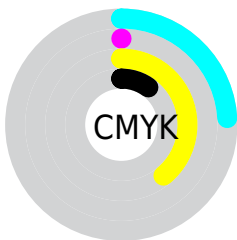
Blue (55%)



Red (55%)

Yellow (90%)

Blue (76%)

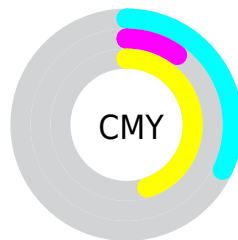


Cyan (24%)

Magenta (0%)

Yellow (39%)

Black (10%)



Cyan (32%)

Magenta (10%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2085, 66.9307, 35.0836 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 50.2085, 66.9307, 35.0836 by changing the saturation by 10% instead.

 50.2085, 66.9307,
35.0836

 50.2085, 66.9307,
35.0836


377.9193,
449.6981, 339.8526


 35.7976, 49.0283,
23.4432


 89.6737, 114.8211,
68.7683

 24.4473, 34.6419,
14.7127

 115.4587,
145.5779, 91.6497

 15.7923, 23.3872,
8.4737


 145.7657,
181.3883, 119.1152

 9.4672, 14.8797,
4.3074

180.9602,
222.6367, 151.5833

 5.1067, 8.7350,
1.7955

221.4074,
269.7075, 189.4725

 2.3454, 4.5687,
0.4250

267.4728,

 0.8177, 1.9965,

322.9850, 233.2015

0.0000

319.5216,
382.8538, 283.1887

0.0000, 0.6054,
0.0000

0.0000, 0.0000,
0.0000

50.2085, 66.9307,
35.0836

50.2085, 66.9307,
35.0836

45.7044, 64.7860,
26.9572

55.3997, 69.3931,
45.0791

41.8501, 62.9362,
20.5793

61.3027, 72.1774,
57.0456

38.6120, 61.3689,
15.8223

67.9473, 75.2990,
71.0826

35.9511, 60.0670,
12.5391

75.3598, 78.7694,
87.2819

■ 33.8223, 59.0113,
10.5559

■ 83.5650, 82.5996,
105.7295

■ 32.1628, 58.1750,
9.6084

■ 87.3107, 84.5213,
106.3202

■ 31.9959, 58.0906,
9.5263

Harmonies

Analogous

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



59.4275, 66.9307, 26.9624



50.2085, 66.9307, 35.0836



45.0062, 66.9307, 54.4731

Triad

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



50.2085, 66.9307, 35.0836



56.8151, 66.9307, 150.1158



87.6732, 66.9307, 61.2839

Complementary

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



50.2085, 66.9307, 35.0836



46.0294, 36.0173, 78.6583

Split Complementary

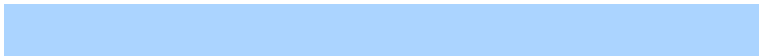
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.7556, 66.9307, 95.0173



50.2085, 66.9307, 35.0836



67.9960, 66.9307, 153.5895

Square

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



50.2085, 66.9307, 35.0836



48.4936, 66.9307, 122.6995



79.2193, 66.9307, 131.1182



81.5938, 66.9307, 38.7796

Rectangle

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



50.2085, 66.9307, 35.0836



44.0914, 66.9307, 74.2560



79.2193, 66.9307, 131.1182



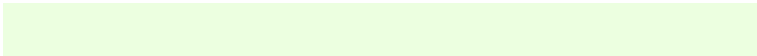
88.1902, 66.9307, 71.5135

Sweetspot

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



50.2102, 66.9336, 35.0851



83.8905, 94.7716, 84.6770



56.5383, 57.5321, 32.9368



17.7145, 20.1716, 17.6120



0.0000, 0.0000, 0.0000



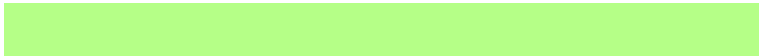
20.3446, 21.4041, 23.3091

Same Dimension

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



50.2102, 66.9336, 35.0851



59.1838, 83.0890, 35.8955



44.3725, 63.8315, 38.9995



14.7071, 16.3561, 15.2863



18.4169, 33.2758, 5.4522



1.4619, 2.5110, 0.4076

Inverse Universe

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



46.0294, 36.0173, 78.6583



53.0913, 38.1770, 99.1784



54.4295, 40.5103, 71.7072



14.4339, 14.3259, 18.1488



14.5558, 6.5697, 42.8841



1.1784, 0.5384, 3.1738

Previews

White Background



This preview shows how the XYZ color 50.2085, 66.9307, 35.0836 looks on a white background.

Color Contrast Check

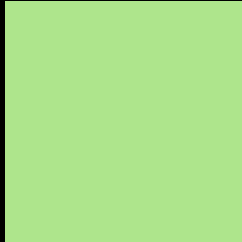
Large Text (above 18pt) WCAG AA × Fail

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 50.2085, 66.9307, 35.0836 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 50.2085, 66.9307, 35.0836

Background



This preview shows how black text looks on a background with the XYZ color 50.2085, 66.9307, 35.0836.



This preview shows how white text looks on a background with the XYZ color 50.2085, 66.9307,

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

50.2085, 66.9307, 35.0836

Protanopia

61.3760, 66.4655, 32.1485

Deuteranopia

67.6542, 66.3319, 36.4317



Tritanopia

61.0531, 66.9598, 88.3040

Trichromacy



Original Color

50.2085, 66.9307, 35.0836

Protanomaly

56.6394, 66.2895, 33.1025

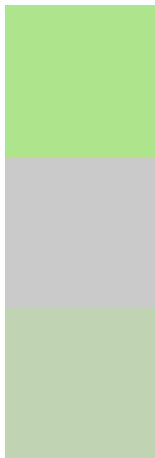
Deuteranomaly

59.8796, 65.6097, 35.8935

Tritanomaly

56.3138, 66.6030, 64.5312

Monochromacy



Original Color

50.2085, 66.9307, 35.0836

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

53.4184, 61.5481, 51.7123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2085, 66.9307, 35.0836 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(174, 229, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 229, 140)  
}
```

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(174, 229, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 229, 140) }
```

Border

The CSS property to change the border of an element to XYZ 50.2085, 66.9307, 35.0836 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(174, 229, 140) }
```


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

```
.border{ border-color:rgb(174, 229, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 229, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 229, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 229, 140);  
box-shadow:4px 4px 4px 4px rgb(174, 229,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2085, 66.9307, 35.0836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 229, 140) }
```

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

```
.background{ background-color: rgb(174,  
229, 140) }
```

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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