

Converting Colors

XYZ(51.1835, 69.2951, 33.7271)

Have a look what the booklet for
XYZ(51.1835, 69.2951, 33.7271)
contains.

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Color

**XYZ(50.9676, 69.0258,
33.5587)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE987
RGB	174, 233, 135
RGB Percent	68%, 91%, 53%
CMY	0.3176, 0.0863, 0.4706
CMYK	0.25, 0.00, 0.42, 0.09
HSL	96°, 69%, 72%
HSV	96°, 42%, 91%
XYZ	50.9676, 69.0258, 33.5587
YIQ	204.1870, -3.7060, -42.9860

Conversions

Conversions Part 2

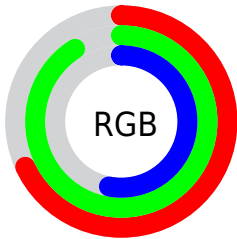
Format	Color
RYB	135, 233, 194
Decimal	11463047
CIELab	86.52, -35.67, 41.66
CIElCh	87, 54.841, 130.572
Yxy	69.0258, 0.3319, 0.4495
Android (android.graphics.Color)	4289653127 (0xFFAEE987)
YUV	204.1870, -34.1092, -26.4740
Hunter-Lab	83.0818, -35.8899, 34.2086

Details

The XYZ color **50.9676, 69.0258, 33.5587** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.6232, 34.6826, 81.3845**, and the grayscale version is **57.7250, 60.7312, 66.1363**.

A 20% lighter version of the original color is **77.9003, 92.1830, 61.8314**, and **24.8912, 35.9908, 13.8186** is the 20% darker color. If you saturate the color by 10%, you get **46.5399, 66.9146, 25.7053**, and if you desaturate by 10%, it is **56.0842, 71.4549, 43.3210**.

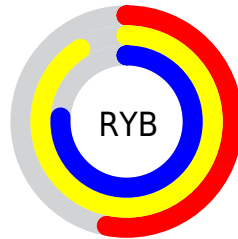
Distribution



Red (68%)

Green (91%)

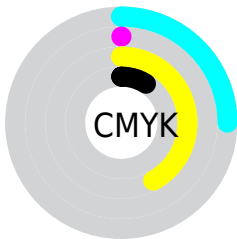
Blue (53%)



Red (53%)

Yellow (91%)

Blue (76%)

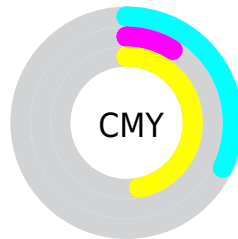


Cyan (25%)

Magenta (0%)

Yellow (42%)

Black (9%)



Cyan (32%)


Magenta (9%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9676, 69.0258, 33.5587 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 50.9676, 69.0258, 33.5587 by changing the saturation by 10% instead.


 50.9676, 69.0258,
33.5587

 50.9676, 69.0258,
33.5587


380.8276,
457.1220, 332.8687


 36.4038, 50.7327,
22.2802


 90.7902, 117.8184,
66.3729

 24.9177, 35.9959,
13.8626


 116.7796,
149.0868, 88.7456

 16.1442, 24.4311,
7.8875

 147.3082,
185.4490, 115.6534

 9.7177, 15.6537,
3.9363

182.7415,
227.2895, 147.5149

 5.2730, 9.2794,
1.5905

223.4447,
274.9926, 184.7487

 2.4447, 4.9239,
0.2840

269.7832,

 0.8675, 2.2027,

328.9428, 227.7732

0.0000

322.1224,
389.5245, 277.0070

0.0000, 0.7215,
0.0000

0.0000, 0.0000,
0.0000

50.9676, 69.0258,
33.5587

50.9676, 69.0258,
33.5587

46.5399, 66.9146,
25.7053

56.0842, 71.4549,
43.3210

42.7624, 65.0978,
19.6313


61.9157, 74.2064,
55.1015

39.5997, 63.5622,
15.1980


68.4927, 77.2960,
69.0067


37.0104, 62.2900,
12.2444

75.8425, 80.7356,
85.1342

 34.9460, 61.2606,
10.5766

 83.9909, 84.5365,
103.5754

 33.6261, 60.5932,
9.9234

 88.4304, 86.7608,
106.6935

Harmonies

Analogous

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



61.2266, 69.0258, 25.2305



50.9676, 69.0258, 33.5587



45.1620, 69.0258, 54.2071

Triad

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



50.9676, 69.0258, 33.5587



57.8128, 69.0258, 162.3171



92.6677, 69.0258, 63.0392

Complementary

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



50.9676, 69.0258, 33.5587



45.6232, 34.6826, 81.3845

Split Complementary

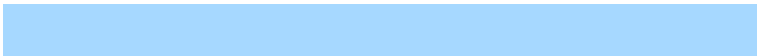
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.4442, 69.0258, 100.9105



50.9676, 69.0258, 33.5587



70.1914, 69.0258, 167.0333

Square

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



50.9676, 69.0258, 33.5587



48.7468, 69.0258, 130.4567



82.8111, 69.0258, 141.8028



85.9654, 69.0258, 38.2216

Rectangle

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



50.9676, 69.0258, 33.5587



44.0872, 69.0258, 75.8579



82.8111, 69.0258, 141.8028



93.1891, 69.0258, 74.4612

Sweetspot

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



50.9693, 69.0288, 33.5602



83.1992, 94.4550, 82.8485



57.2276, 57.5703, 31.0186



17.4121, 20.0315, 16.8863



0.0000, 0.0000, 0.0000



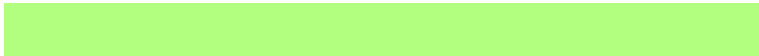
20.3446, 21.4041, 23.3091

Same Dimension

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



50.9693, 69.0288, 33.5602



58.0375, 82.5582, 33.1264



44.2281, 65.4702, 37.0144



15.4355, 17.1545, 16.0163



19.2098, 34.4475, 5.6366



1.6142, 2.7595, 0.4476

Inverse Universe

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



45.6232, 34.6826, 81.3845



50.6787, 35.4031, 98.7702



55.6173, 39.9920, 74.7449



15.1012, 14.9975, 19.0211



14.6531, 6.5899, 44.2426



1.2585, 0.5731, 3.4792

Previews

White Background



This preview shows how the XYZ color 50.9676, 69.0258, 33.5587 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 50.9676, 69.0258, 33.5587 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 50.9676, 69.0258, 33.5587

Background



This preview shows how black text looks on a background with the XYZ color 50.9676, 69.0258, 33.5587.

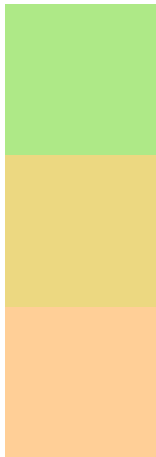


This preview shows how white text looks on a background with the XYZ color 50.9676, 69.0258,

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

50.9676, 69.0258, 33.5587

Protanopia

63.1104, 68.5296, 30.6701

Deuteranopia

69.1387, 68.1200, 38.7826



Tritanopia

62.5243, 68.8331, 90.8797

Trichromacy



Original Color

50.9676, 69.0258, 33.5587



Protanomaly

57.6586, 68.0274, 31.5644



Deuteranomaly

61.0307, 67.3248, 36.5664



Tritanomaly

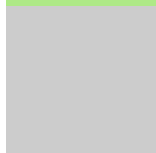
57.2350, 68.2578, 65.4168

Monochromacy



Original Color

50.9676, 69.0258, 33.5587



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

54.4294, 63.1930, 51.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9676, 69.0258, 33.5587 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, 233, 135)` looks like.

```
.text, #text, p{  
    color:rgb(174, 233, 135)  
}
```

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, 233, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 233, 135) }
```

Border

The CSS property to change the border of an element to XYZ 50.9676, 69.0258, 33.5587 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, 233, 135) }
```


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

```
.border{ border-color:rgb(174, 233, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 233, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 233, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 233, 135);  
box-shadow:4px 4px 4px 4px rgb(174, 233,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9676, 69.0258, 33.5587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 233, 135) }
```

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

```
.background{ background-color: rgb(174,  
233, 135) }
```

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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