

Converting Colors

XYZ(54.0442, 68.2950, 49.1232)

Have a look what the booklet for
XYZ(54.0442, 68.2950, 49.1232)
contains.

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Color

**XYZ(54.0122, 68.1687,
49.3408)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E4AC
RGB	180, 228, 172
RGB Percent	71%, 89%, 67%
CMY	0.2941, 0.1059, 0.3255
CMYK	0.21, 0.00, 0.25, 0.11
HSL	111°, 51%, 78%
HSV	111°, 25%, 89%
XYZ	54.0122, 68.1687, 49.3408
YIQ	207.2640, -10.6320, -27.5920

Conversions

Conversions Part 2

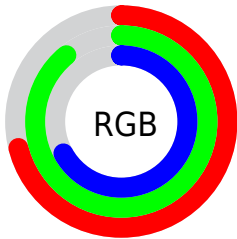
Format	Color
RYB	172, 228, 220
Decimal	11855020
CIELab	86.09, -25.90, 22.40
CIElCh	86, 34.242, 139.145
Yxy	68.1687, 0.3149, 0.3974
Android (android.graphics.Color)	4290045100 (0xFFB4E4AC)
YUV	207.2640, -17.3852, -23.9105
Hunter-Lab	82.5643, -27.7159, 22.3631

Details

The XYZ color **54.0122, 68.1687, 49.3408** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.2742, 50.3241, 80.0446**, and the grayscale version is **59.5934, 62.6969, 68.2770**.

A 20% lighter version of the original color is **84.3557, 94.9543, 87.2808**, and **26.6865, 35.2726, 22.8545** is the 20% darker color. If you saturate the color by 10%, you get **47.7745, 65.1867, 38.5825**, and if you desaturate by 10%, it is **61.2708, 71.6375, 62.1108**.

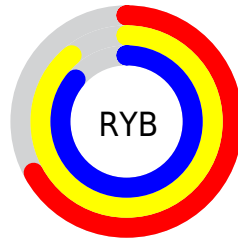
Distribution



Red (71%)

Green (89%)

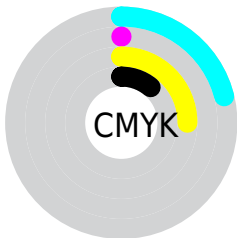
Blue (67%)



Red (67%)

Yellow (89%)

Blue (86%)

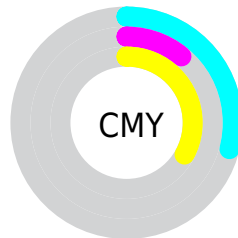


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (11%)



Cyan (29%)

Magenta (11%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.0122, 68.1687, 49.3408 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 54.0122, 68.1687, 49.3408 by changing the saturation by 10% instead.

■ 54.0122, 68.1687,
49.3408

■ 54.0122, 68.1687,
49.3408

392.3541,
454.0935, 400.7434

■ 38.8421, 50.0350,
34.5224

■ 95.2489, 116.5934,
90.5836

■ 26.8171, 35.4412,
23.0146

122.0463,
147.6533, 117.8451

■ 17.5718, 24.0029,
14.3989

153.4502,
183.7906, 150.0914

■ 10.7408, 15.3358,
8.2567

189.8259,
225.3898, 187.7410

■ 5.9588, 9.0554,
4.1695

231.5388,
272.8353, 231.2125

■ 2.8605, 4.7773,
1.7188

278.9542,

■ 1.0804, 2.1172,

326.5115, 280.9243

0.3736

332.4375,
386.8028, 337.2951

■ 0.0086, 0.6743,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.0122, 68.1687,
49.3408

■ 54.0122, 68.1687,
49.3408

■ 47.7745, 65.1867,
38.5825

■ 61.2708, 71.6375,
62.1108

■ 42.5064, 62.6614,
29.7291

■ 69.5879, 75.6046,
76.9830

■ 38.1603, 60.5726,
22.6710

■ 79.0056, 80.0917,
94.0478

■ 34.6822, 58.8952,
17.2853

■ 87.0348, 83.9696,
106.2283

■ 32.0127, 57.6015,
13.4339

■ 30.0843, 56.6602,
10.9566

■ 28.8180, 56.0349,
9.6577

■ 28.3582, 55.8058,
9.2770

Harmonies

Analogous

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



59.9574, 68.1687, 40.3620



54.0122, 68.1687, 49.3408



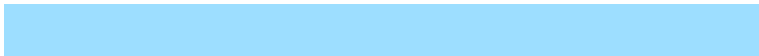
51.0440, 68.1687, 66.3613

Triad

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



54.0122, 68.1687, 49.3408



61.9853, 68.1687, 125.4123



80.1572, 68.1687, 60.9050

Complementary

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



54.0122, 68.1687, 49.3408



58.2742, 50.3241, 80.0446

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.



80.8111, 68.1687, 82.6847



54.0122, 68.1687, 49.3408



69.8804, 68.1687, 123.1273

Square

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



54.0122, 68.1687, 49.3408



55.3932, 68.1687, 112.0454



76.9191, 68.1687, 106.3194



75.1987, 68.1687, 46.0446

Rectangle

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



54.0122, 68.1687, 49.3408



50.9771, 68.1687, 81.3236



76.9191, 68.1687, 106.3194



80.9020, 68.1687, 67.5504

Sweetspot

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



54.0140, 68.1716, 49.3423



86.9013, 96.1159, 94.2078



64.9326, 70.4525, 49.2071



18.4571, 20.5044, 19.9072



0.0000, 0.0000, 0.0000



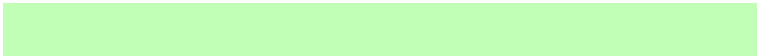
20.3446, 21.4041, 23.3091

Same Dimension

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



54.0140, 68.1716, 49.3423



65.7459, 86.0142, 56.8802



54.2289, 68.0486, 59.9154



14.3799, 16.1874, 15.2710



16.4333, 32.2532, 5.3594



1.2750, 2.4147, 0.3989

Inverse Universe

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



58.2742, 50.3241, 80.0446



72.0443, 59.5995, 102.3145



58.1843, 50.5746, 66.6306



14.7821, 14.5054, 18.1651



21.2239, 10.0072, 43.1961



1.6241, 0.7682, 3.1946

Previews

White Background



This preview shows how the XYZ color 54.0122, 68.1687, 49.3408 looks on a white background.

Color Contrast Check

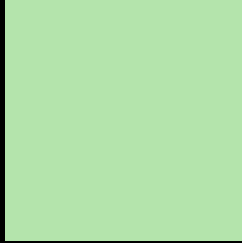
Large Text (above 18pt) WCAG AA × Fail

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 54.0122, 68.1687, 49.3408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

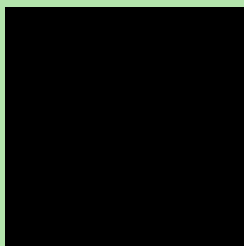
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

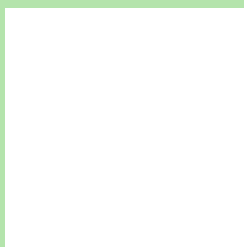
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 54.0122, 68.1687, 49.3408

Background



This preview shows how black text looks on a background with the XYZ color 54.0122, 68.1687, 49.3408.



This preview shows how white text looks on a background with the XYZ color 54.0122, 68.1687,

49.3408.

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

54.0122, 68.1687, 49.3408

Protanopia

63.2426, 67.5043, 45.7728

Deuteranopia

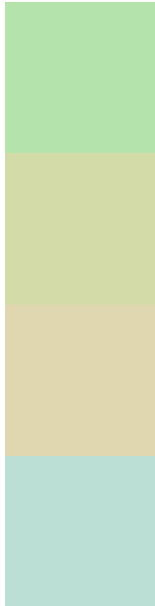
69.0740, 67.4567, 50.9748



Tritanopia

62.1034, 67.8538, 89.9447

Trichromacy



Original Color

54.0122, 68.1687, 49.3408

Protanomaly

59.2634, 67.3391, 46.9200

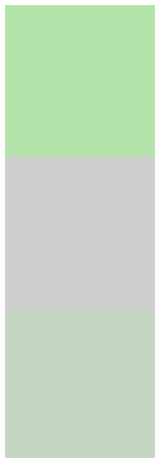
Deuteranomaly

62.5249, 67.0356, 50.2012

Tritanomaly

58.6250, 67.6114, 72.9112

Monochromacy



Original Color

54.0122, 68.1687, 49.3408

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.0640, 64.3662, 60.4553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.0122, 68.1687, 49.3408 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(180, 228, 172)` looks like.

```
.text, #text, p{  
    color:rgb(180, 228, 172)  
}
```

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(180, 228, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 172) }
```

Border

The CSS property to change the border of an element to XYZ 54.0122, 68.1687, 49.3408 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(180, 228, 172) }
```


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

```
.border{ border-color:rgb(180, 228, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 228, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 172);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 54.0122, 68.1687, 49.3408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 228, 172) }
```

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

```
.background{ background-color: rgb(180,  
228, 172) }
```

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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