

Converting Colors

XYZ(52.2907, 68.2377, 46.2833)

Have a look what the booklet for
XYZ(52.2907, 68.2377, 46.2833)
contains.

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Color

**XYZ(52.1930, 68.1175,
46.4735)**

Conversions

Conversions Part 1

Format	Color
Hex	ACE6A6
RGB	172, 230, 166
RGB Percent	67%, 90%, 65%
CMY	0.3255, 0.0980, 0.3490
CMYK	0.25, 0.00, 0.28, 0.10
HSL	114°, 56%, 78%
HSV	114°, 28%, 90%
XYZ	52.1930, 68.1175, 46.4735
YIQ	205.3620, -14.0240, -32.2000

Conversions

Conversions Part 2

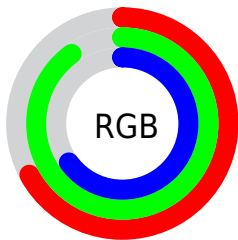
Format	Color
RYB	166, 230, 224
Decimal	11331238
CIELab	86.07, -30.49, 25.39
CIElCh	86, 39.679, 140.216
Yxy	68.1175, 0.3129, 0.4084
Android (android.graphics.Color)	4289521318 (0xFFACE6A6)
YUV	205.3620, -19.4055, -29.2585
Hunter-Lab	82.5333, -31.5522, 24.3879

Details

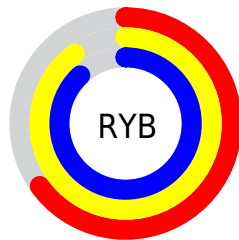
The XYZ color **52.1930, 68.1175, 46.4735** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58.6626, 48.8349, 81.2008**, and the grayscale version is **58.3865, 61.4271, 66.8942**.

A 20% lighter version of the original color is **80.8061, 93.2344, 82.1437**, and **25.6445, 35.3386, 21.3890** is the 20% darker color. If you saturate the color by 10%, you get **46.0477, 65.1739, 36.1401**, and if you desaturate by 10%, it is **59.4368, 71.5878, 58.8308**.

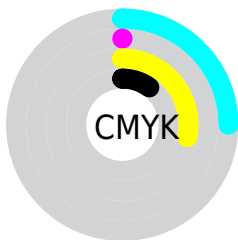
Distribution



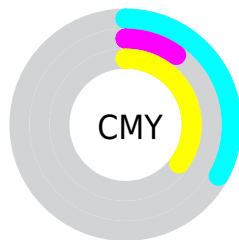
- Red (67%)
- Green (90%)
- Blue (65%)



- Red (65%)
- Yellow (90%)
- Blue (88%)



- Cyan (25%)
- Magenta (0%)
- Yellow (28%)
- Black (10%)





- Cyan (33%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.1930, 68.1175, 46.4735 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 52.1930, 68.1175, 46.4735 by changing the saturation by 10% instead.


 52.1930, 68.1175,
46.4735


 52.1930, 68.1175,
46.4735


385.4930,
453.9122, 389.0418

 37.3838, 49.9933,
32.2683


 92.5884, 116.5202,
86.2689

 25.6798, 35.4081,
21.3000


 118.9052,
147.5676, 112.6962

 16.7157, 23.9774,
13.1501

149.7887,
183.6914, 144.0346

 10.1260, 15.3169,
7.4000

185.6042,
225.2762, 180.7026

 5.5455, 9.0421,
3.6313

226.7170,
272.7062, 223.1188

 2.6088, 4.7686,
1.4253

273.4925,

 0.9504, 2.1122,

326.3660, 271.7017

0.1614

326.2961,
386.6399, 326.8698

0.0000, 0.6715,
0.0000

0.0000, 0.0000,
0.0000

52.1930, 68.1175,
46.4735

52.1930, 68.1175,
46.4735

46.0477, 65.1739,
36.1401

59.4368, 71.5878,
58.8308

40.9422, 62.7230,
27.7185

67.8235, 75.5996,
73.3069

36.8201, 60.7404,
21.0929

77.4018, 80.1779,
89.9964

33.6179, 59.1960,
16.1327

87.5882, 85.0764,
106.4127

■ 31.2641, 58.0564,
12.6901

■ 29.6770, 57.2830,
10.5911

■ 28.7538, 56.8281,
9.5970

■ 28.6194, 56.7620,
9.4478

Harmonies

Analogous

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



58.8767, 68.1175, 36.3472



52.1930, 68.1175, 46.4735



48.9691, 68.1175, 65.9651

Triad

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



52.1930, 68.1175, 46.4735



61.8121, 68.1175, 135.4095



82.6134, 68.1175, 58.1471

Complementary

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



52.1930, 68.1175, 46.4735



58.6626, 48.8349, 81.2008

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.



83.5870, 68.1175, 83.0251



52.1930, 68.1175, 46.4735



70.9879, 68.1175, 131.9133

Square

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



52.1930, 68.1175, 46.4735



54.1683, 68.1175, 119.7894



79.1604, 68.1175, 111.1276



76.6129, 68.1175, 41.9085

Rectangle

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



52.1930, 68.1175, 46.4735



48.9881, 68.1175, 83.4273



79.1604, 68.1175, 111.1276



83.5598, 68.1175, 65.6212

Sweetspot

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



52.1948, 68.1204, 46.4750



85.4600, 95.4157, 92.2075



66.0674, 72.6761, 46.6232



17.9294, 20.2495, 19.1079



0.0000, 0.0000, 0.0000



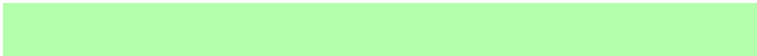
20.3446, 21.4041, 23.3091

Same Dimension

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



52.1948, 68.1204, 46.4750



61.6261, 84.0070, 51.4201



53.4950, 68.4918, 60.0398



14.3140, 16.1534, 15.2679



16.2464, 32.1568, 5.3506



1.2437, 2.3985, 0.3974

Inverse Universe

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



58.6626, 48.8349, 81.2008



70.9822, 56.0839, 101.6918



57.2189, 48.4761, 63.7221



14.8549, 14.5430, 18.1685



22.9398, 10.8918, 43.2764



1.7342, 0.8250, 3.1998

Previews

White Background



This preview shows how the XYZ color 52.1930, 68.1175, 46.4735 looks on a white background.

Color Contrast Check

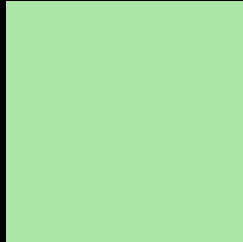
Large Text (above 18pt) WCAG AA × Fail

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 52.1930, 68.1175, 46.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

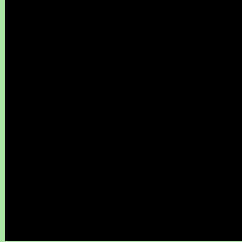
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.1930, 68.1175, 46.4735

Background



This preview shows how black text looks on a background with the XYZ color 52.1930, 68.1175, 46.4735.



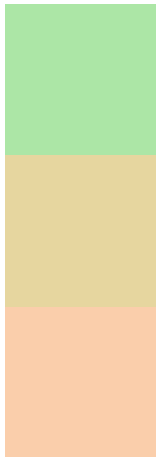
This preview shows how white text looks on a background with the XYZ color 52.1930, 68.1175,

46.4735.

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**

52.1930, 68.1175, 46.4735

Protanopia

62.9377, 67.4193, 42.4969

Deuteranopia

68.8463, 67.4069, 47.9103



Tritanopia

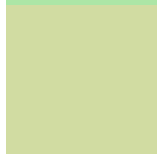
61.0562, 68.0763, 90.8110

Trichromacy



Original Color

52.1930, 68.1175, 46.4735



Protanomaly

58.4093, 67.3503, 44.1038



Deuteranomaly

61.5861, 66.9950, 47.2215



Tritanomaly

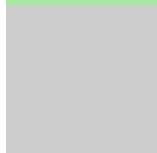
57.3617, 67.7681, 72.3446

Monochromacy



Original Color

52.1930, 68.1175, 46.4735



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

55.4429, 63.1922, 58.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.1930, 68.1175, 46.4735 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(172, 230, 166)` looks like.

```
.text, #text, p{  
    color:rgb(172, 230, 166)  
}
```

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(172, 230, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 230, 166) }
```

Border

The CSS property to change the border of an element to XYZ 52.1930, 68.1175, 46.4735 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(172, 230, 166) }
```


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

```
.border{ border-color:rgb(172, 230, 166) }
```

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

Here you see how a box with a 4 pixel rgb(172, 230, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 230, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 230, 166);  
box-shadow:4px 4px 4px 4px rgb(172, 230,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 52.1930, 68.1175, 46.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 230, 166) }
```

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

```
.background{ background-color: rgb(172,  
230, 166) }
```

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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