

Converting Colors

XYZ(52.1268, 70.6239, 46.1969)

Have a look what the booklet for
XYZ(52.1268, 70.6239, 46.1969)
contains.

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Color

**XYZ(52.0061, 70.5638,
46.0011)**

Conversions

Conversions Part 1

Format	Color
Hex	A4ECA4
RGB	164, 236, 164
RGB Percent	64%, 93%, 64%
CMY	0.3569, 0.0745, 0.3569
CMYK	0.31, 0.00, 0.31, 0.07
HSL	120°, 65%, 78%
HSV	120°, 31%, 93%
XYZ	52.0061, 70.5638, 46.0011
YIQ	206.2640, -19.8000, -37.6560

Conversions

Conversions Part 2

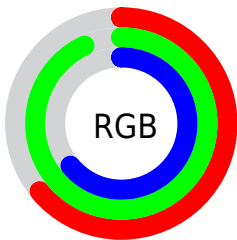
Format	Color
RYB	164, 236, 236
Decimal	10808484
CIELab	87.27, -36.19, 27.98
CIELCh	87, 45.744, 142.283
Yxy	70.5638, 0.3085, 0.4186
Android (android.graphics.Color)	4288998564 (0xFFA4ECA4)
YUV	206.2640, -20.8362, -37.0655
Hunter-Lab	84.0023, -36.4940, 26.3333

Details

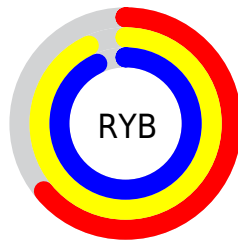
The XYZ color **52.0061, 70.5638, 46.0011** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **63.0102, 50.4412, 85.7747**, and the grayscale version is **58.9753, 62.0466, 67.5688**.

A 20% lighter version of the original color is **78.3650, 92.0066, 80.6466**, and **25.6763, 37.1274, 21.1422** is the 20% darker color. If you saturate the color by 10%, you get **45.6430, 67.5094, 35.5917**, and if you desaturate by 10%, it is **59.6721, 74.2483, 58.5388**.

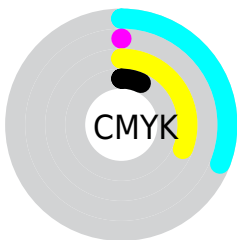
Distribution



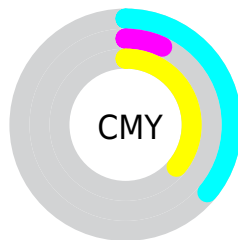
- Red (64%)
- Green (93%)
- Blue (64%)



- Red (64%)
- Yellow (93%)
- Blue (93%)



- Cyan (31%)
- Magenta (0%)
- Yellow (31%)
- Black (7%)





- Cyan (36%)
- Magenta (7%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0061, 70.5638, 46.0011 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 52.0061, 70.5638, 46.0011 by changing the saturation by 10% instead.


 52.0061, 70.5638,
46.0011


 52.0061, 70.5638,
46.0011


384.7837,
462.5271, 387.0908

 37.2342, 51.9863,
31.8980


 92.3144, 120.0124,
85.5549

 25.5634, 36.9942,
21.0194

 118.5816,
151.6523, 111.8428

 16.6283, 25.2030,
12.9468


149.4112,
188.4152, 143.0293

 10.0635, 16.2283,
7.2616

185.1686,
230.6853, 179.5330

 5.5036, 9.6859,
3.5453

226.2192,
278.8472, 221.7725

 2.5835, 5.1912,
1.3794


272.9284,

 0.9375, 2.3599,


333.2852, 270.1662


0.1256


325.6614,
394.3837, 325.1328


 0.0000, 0.8051,
0.0000


 0.0000, 0.0000,
0.0000


 52.0061, 70.5638,
46.0011


 52.0061, 70.5638,
46.0011


 45.6430, 67.5094,
35.5917


 59.6721, 74.2483,
58.5388


 40.5054, 65.0415,
27.1881

 68.7019, 78.5858,
73.3086

 36.5160, 63.1252,
20.6627

 79.1594, 83.6090,
90.4136

 33.5868, 61.7182,
15.8713

 89.2869, 88.4738,
106.9790

■ 31.6167, 60.7718,
12.6488

■ 30.4853, 60.2284,
10.7981

■ 29.9969, 59.9938,
9.9991

Harmonies

Analogous

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



59.5299, 70.5638, 34.0314



52.0061, 70.5638, 46.0011



48.5950, 70.5638, 69.1519

Triad

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



52.0061, 70.5638, 46.0011



64.3306, 70.5638, 151.7192



88.0783, 70.5638, 56.4941

Complementary

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



52.0061, 70.5638, 46.0011



63.0102, 50.4412, 85.7747

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.



89.7156, 70.5638, 85.0606



52.0061, 70.5638, 46.0011



75.2186, 70.5638, 145.6844

Square

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



52.0061, 70.5638, 46.0011



55.1982, 70.5638, 133.8398



84.7907, 70.5638, 119.0499



80.5298, 70.5638, 38.8638

Rectangle

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



52.0061, 70.5638, 46.0011



48.8261, 70.5638, 90.1313



84.7907, 70.5638, 119.0499



89.3687, 70.5638, 64.9098

Sweetspot

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



52.0079, 70.5668, 46.0027



83.6276, 94.5132, 90.2168



71.2915, 80.5079, 46.9044



17.5329, 20.0535, 18.7101



0.0000, 0.0000, 0.0000



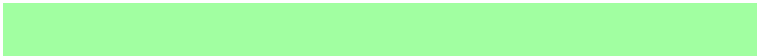
20.3446, 21.4041, 23.3091

Same Dimension

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



52.0079, 70.5668, 46.0027



56.7899, 81.6217, 46.3189



55.7325, 72.0566, 65.6162



14.8684, 16.8622, 15.9899



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

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



63.0102, 50.4412, 85.7747



71.9735, 53.8475, 101.2063



58.2950, 48.5552, 60.9449



15.7149, 15.3138, 19.0498



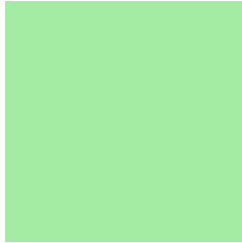
27.4130, 13.1679, 44.8378



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 52.0061, 70.5638, 46.0011 looks on a white background.

Color Contrast Check

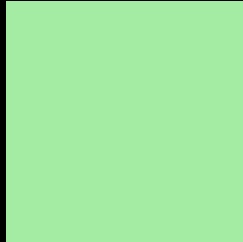
Large Text (above 18pt) WCAG AA × Fail

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 52.0061, 70.5638, 46.0011 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 52.0061, 70.5638, 46.0011

Background



This preview shows how black text looks on a background with the XYZ color 52.0061, 70.5638, 46.0011.



This preview shows how white text looks on a background with the XYZ color 52.0061, 70.5638,

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

52.0061, 70.5638, 46.0011

Protanopia

65.0038, 70.0355, 41.5446

Deuteranopia

71.2962, 69.7632, 47.7381



Tritanopia

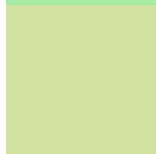
62.1159, 70.5081, 95.9235

Trichromacy



Original Color

52.0061, 70.5638, 46.0011



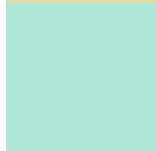
Protanomaly

59.4777, 69.9089, 43.1599



Deuteranomaly

62.5236, 69.0198, 47.0726



Tritanomaly

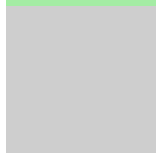
58.0181, 70.4986, 74.8397

Monochromacy



Original Color

52.0061, 70.5638, 46.0011



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

55.7027, 64.4637, 58.7971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0061, 70.5638, 46.0011 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(164, 236, 164)` looks like.

```
.text, #text, p{  
    color:rgb(164, 236, 164)  
}
```

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(164, 236, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 236, 164) }
```

Border

The CSS property to change the border of an element to XYZ 52.0061, 70.5638, 46.0011 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(164, 236, 164) }
```


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

```
.border{ border-color:rgb(164, 236, 164) }
```

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

Here you see how a box with a 4 pixel rgb(164, 236, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 236, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 236, 164);  
box-shadow:4px 4px 4px 4px rgb(164, 236,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0061, 70.5638, 46.0011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 236, 164) }
```

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

```
.background{ background-color: rgb(164,  
236, 164) }
```

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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