

Converting Colors

XYZ(53.0414, 70.8014, 47.9172)

Have a look what the booklet for
XYZ(53.0414, 70.8014, 47.9172)
contains.

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Color

**XYZ(52.9247, 70.5686,
47.8775)**

Conversions

Conversions Part 1

Format	Color
Hex	A8EBA8
RGB	168, 235, 168
RGB Percent	66%, 92%, 66%
CMY	0.3412, 0.0784, 0.3412
CMYK	0.29, 0.00, 0.29, 0.08
HSL	120°, 63%, 79%
HSV	120°, 29%, 92%
XYZ	52.9247, 70.5686, 47.8775
YIQ	207.3290, -18.4250, -35.0410

Conversions

Conversions Part 2

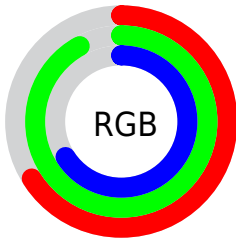
Format	Color
RYB	168, 235, 235
Decimal	11070376
CIELab	87.27, -33.80, 25.98
CIELCh	87, 42.630, 142.460
Yxy	70.5686, 0.3088, 0.4118
Android (android.graphics.Color)	4289260456 (0xFFA8EBA8)
YUV	207.3290, -19.3892, -34.4915
Hunter-Lab	84.0051, -34.5508, 25.0121

Details

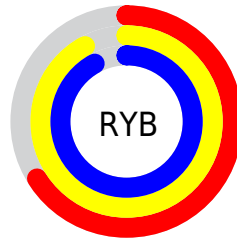
The XYZ color **52.9247, 70.5686, 47.8775** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2614, 51.6672, 85.2387**, and the grayscale version is **59.6516, 62.7581, 68.3436**.

A 20% lighter version of the original color is **80.1306, 92.8553, 83.5116**, and **26.2119, 37.0786, 22.2984** is the 20% darker color. If you saturate the color by 10%, you get **46.3715, 67.4229, 37.1571**, and if you desaturate by 10%, it is **60.7814, 74.3447, 60.7271**.

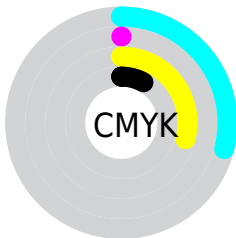
Distribution



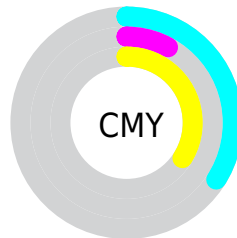
- Red (66%)
- Green (92%)
- Blue (66%)



- Red (66%)
- Yellow (92%)
- Blue (92%)



- Cyan (29%)
- Magenta (0%)
- Yellow (29%)
- Black (8%)





- Cyan (34%)
- Magenta (8%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.9247, 70.5686, 47.8775 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 52.9247, 70.5686, 47.8775 by changing the saturation by 10% instead.


 52.9247, 70.5686,
47.8775


 52.9247, 70.5686,
47.8775


388.2618,
462.5439, 394.8011

 37.9699, 51.9902,
33.3706


 93.6597, 120.0193,
88.3856

 26.1364, 36.9973,
22.1371

 120.1707,
151.6603, 115.2239

 17.0590, 25.2054,
13.7584


151.2644,
188.4244, 147.0098

 10.3721, 16.2301,
7.8160

187.3062,
230.6959, 184.1617

 5.7105, 9.6872,
3.8913

228.6615,
278.8592, 227.0983

 2.7088, 5.1920,
1.5659

275.6956,

 1.0017, 2.3604,

333.2987, 276.2380

0.2663

328.7739,
394.3988, 331.9994

0.0000, 0.8054,
0.0000

0.0000, 0.0000,
0.0000

52.9247, 70.5686,
47.8775

52.9247, 70.5686,
47.8775

46.3715, 67.4229,
37.1571

60.7814, 74.3447,
60.7271

41.0462, 64.8649,
28.4466

70.0008, 78.7732,
75.8071

36.8740, 62.8608,
21.6222

80.6453, 83.8863,
93.2180

33.7698, 61.3696,
16.5445

88.9997, 87.8994,
106.8832

■ 31.6364, 60.3449,
13.0550

■ 30.3595, 59.7315,
10.9662

■ 29.7726, 59.4496,
10.0063

■ 29.7097, 59.4194,
9.9033

Harmonies

Analogous

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



59.9777, 70.5686, 36.2880



52.9247, 70.5686, 47.8775



49.7264, 70.5686, 69.8206

Triad

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



52.9247, 70.5686, 47.8775



64.5764, 70.5686, 145.5595



86.5040, 70.5686, 57.6233

Complementary

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



52.9247, 70.5686, 47.8775



63.2614, 51.6672, 85.2387

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.



88.0475, 70.5686, 84.3089



52.9247, 70.5686, 47.8775



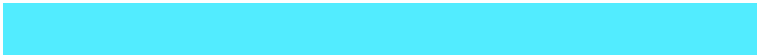
74.7077, 70.5686, 139.9546

Square

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



52.9247, 70.5686, 47.8775



56.0037, 70.5686, 129.4293



83.5425, 70.5686, 115.6077



79.5132, 70.5686, 40.8593

Rectangle

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



52.9247, 70.5686, 47.8775



49.9620, 70.5686, 89.3697



83.5425, 70.5686, 115.6077



87.7036, 70.5686, 65.5348

Sweetspot

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



52.9265, 70.5716, 47.8791



83.6276, 94.5132, 90.2166



71.0402, 79.9095, 48.7264



17.5329, 20.0535, 18.7100



0.0000, 0.0000, 0.0000



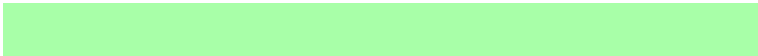
20.3446, 21.4041, 23.3091

Same Dimension

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



52.9265, 70.5716, 47.8791



59.0684, 82.7162, 50.0456



56.4604, 71.9851, 66.4879



14.8684, 16.8622, 15.9898



16.5341, 33.0681, 5.5114



1.2983, 2.5966, 0.4328

Inverse Universe

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



63.2614, 51.6672, 85.2387



73.3479, 56.5961, 101.6651



58.8673, 49.9095, 62.1000



15.7149, 15.3138, 19.0498



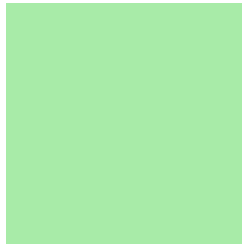
27.4132, 13.1680, 44.8386



2.1526, 1.0340, 3.5209

Previews

White Background



This preview shows how the XYZ color 52.9247, 70.5686, 47.8775 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 52.9247, 70.5686, 47.8775 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 52.9247, 70.5686, 47.8775

Background



This preview shows how black text looks on a background with the XYZ color 52.9247, 70.5686, 47.8775.



This preview shows how white text looks on a background with the XYZ color 52.9247, 70.5686,

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

52.9247, 70.5686, 47.8775

Protanopia

65.3483, 70.1733, 43.3583

Deuteranopia

71.3135, 69.7278, 49.7446



Tritanopia

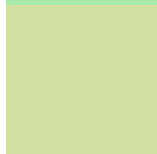
62.3943, 70.2666, 95.0683

Trichromacy



Original Color

52.9247, 70.5686, 47.8775



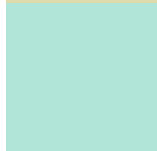
Protanomaly

59.8449, 69.6573, 44.9414



Deuteranomaly

62.9492, 68.8093, 48.9935



Tritanomaly

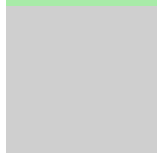
58.5454, 70.3436, 75.4577

Monochromacy



Original Color

52.9247, 70.5686, 47.8775



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

56.4308, 64.8134, 59.9881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.9247, 70.5686, 47.8775 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(168, 235, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 235, 168)  
}
```

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(168, 235, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 235, 168) }
```

Border

The CSS property to change the border of an element to XYZ 52.9247, 70.5686, 47.8775 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(168, 235, 168) }
```


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

```
.border{ border-color:rgb(168, 235, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 235, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 235, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 235, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 235,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 52.9247, 70.5686, 47.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 235, 168) }
```

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

```
.background{ background-color: rgb(168,  
235, 168) }
```

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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