

Converting Colors

XYZ(54.3392, 67.6903, 12.6752)

Have a look what the booklet for
XYZ(54.3392, 67.6903, 12.6752)
contains.

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Color

**XYZ(54.2807, 67.4978,
12.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E02D
RGB	212, 224, 45
RGB Percent	83%, 88%, 18%
CMY	0.1686, 0.1215, 0.8235
CMYK	0.05, 0.00, 0.80, 0.12
HSL	64°, 74%, 53%
HSV	64°, 80%, 88%
XYZ	54.2807, 67.4978, 12.6501
YIQ	200.0060, 50.3070, -58.2130

Conversions

Conversions Part 2

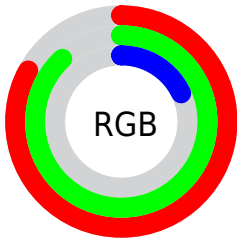
Format	Color
RYB	45, 224, 57
Decimal	13951021
CIELab	85.75, -23.77, 77.85
CIELCh	86, 81.395, 106.977
Yxy	67.4978, 0.4038, 0.5021
Android (android.graphics.Color)	4292141101 (0xFFD4E02D)
YUV	200.0060, -76.4180, 10.5187
Hunter-Lab	82.1570, -25.8409, 48.3808

Details

The XYZ color **54.2807, 67.4978, 12.6501** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **16.0822, 8.1299, 71.2467**, and the grayscale version is **55.3397, 58.2217, 63.4034**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **27.3248, 35.1482, 5.3441** is the 20% darker color. If you saturate the color by 10%, you get **53.5280, 67.1494, 10.9301**, and if you desaturate by 10%, it is **55.2691, 67.9459, 15.5767**.

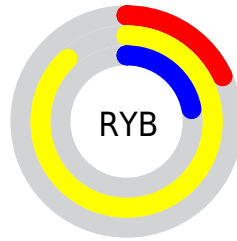
Distribution



Red (83%)

Green (88%)

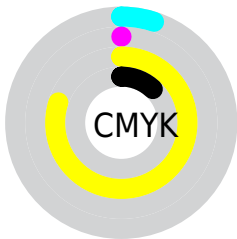
Blue (18%)



Red (18%)

Yellow (88%)

Blue (22%)

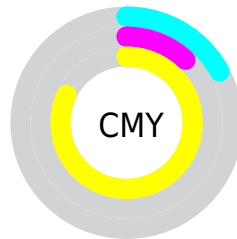


Cyan (5%)

Magenta (0%)

Yellow (80%)

Black (12%)



Cyan (17%)

Magenta (12%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2807, 67.4978, 12.6501 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 54.2807, 67.4978, 12.6501 by changing the saturation by 10% instead.

■ 54.2807, 67.4978,
12.6501

■ 54.2807, 67.4978,
12.6501

393.3604,
451.7146, 219.7914

■ 39.0577, 49.4893,
7.0602

■ 95.6407, 115.6334,
31.3556

■ 26.9855, 35.0078,
3.4207

■ 122.5085,
146.5293, 45.3083

■ 17.6989, 23.6689,
1.3133

■ 153.9885,
182.4898, 62.8857

■ 10.8324, 15.0882,
0.0726

■ 190.4462,
223.8992, 84.5062

■ 6.0207, 8.8813,
0.0000

■ 232.2469,
271.1420, 110.5886

■ 2.8985, 4.6638,
0.0000

279.7559,

■ 1.1003, 2.0514,

324.6026, 141.5512

0.0000

333.3386,
384.6653, 177.8126

■ 0.0254, 0.6371,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.2807, 67.4978,
12.6501

■ 54.2807, 67.4978,
12.6501

■ 53.5280, 67.1494,
10.9301

■ 55.2691, 67.9459,
15.5767

■ 52.9512, 66.8694,
10.1222

■ 56.5202, 68.4971,
19.8728

■ 52.9462, 66.8669,
10.1160

■ 58.0625, 69.1653,
25.6807

■ 59.9193, 69.9597,
33.1238

■ 62.1117, 70.8888,
42.3127

■ 64.6589, 71.9603,
53.3485

■ 67.5786, 73.1812,
66.3245

■ 70.8873, 74.5583,
81.3278

■ 74.6006, 76.0976,
98.4400

Harmonies

Analogous

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



72.5449, 67.4978, 12.0934



54.2807, 67.4978, 12.6501



41.4249, 67.4978, 23.4619

Triad

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



54.2807, 67.4978, 12.6501



42.7401, 67.4978, 176.5103



105.6246, 67.4978, 99.0394

Complementary

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



54.2807, 67.4978, 12.6501



16.0822, 8.1299, 71.2467

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.



93.9698, 67.4978, 167.7125



54.2807, 67.4978, 12.6501



56.4376, 67.4978, 224.9915

Square

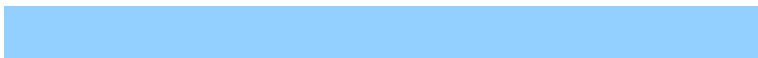
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



54.2807, 67.4978, 12.6501



35.6981, 67.4978, 107.5897



75.1588, 67.4978, 221.1630



104.7380, 67.4978, 47.4895

Rectangle

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



54.2807, 67.4978, 12.6501



36.5770, 67.4978, 40.3066



75.1588, 67.4978, 221.1630



102.9614, 67.4978, 121.1998

Sweetspot

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



54.2822, 67.5009, 12.6515



85.2210, 95.8958, 64.9394



32.6763, 18.9582, 4.4206



17.9824, 20.4169, 12.7835



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.



54.2822, 67.5009, 12.6515



71.2708, 89.8200, 13.8735



35.2386, 57.6836, 11.7603



14.7762, 15.9803, 14.6125



30.8559, 38.9393, 5.8898



2.1665, 2.7133, 0.4095

Inverse Universe

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



16.0822, 8.1299, 71.2467



18.6027, 7.6693, 95.1076



26.3265, 13.4110, 71.7262



13.0367, 13.2870, 17.2652



7.9804, 3.2094, 41.2472



0.5835, 0.2381, 2.8604

Previews

White Background



This preview shows how the XYZ color 54.2807, 67.4978, 12.6501 looks on a white background.

Color Contrast Check

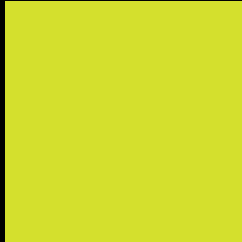
Large Text (above 18pt) WCAG AA × Fail

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 54.2807, 67.4978, 12.6501 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 54.2807, 67.4978, 12.6501

Background



This preview shows how black text looks on a background with the XYZ color 54.2807, 67.4978, 12.6501.



This preview shows how white text looks on a background with the XYZ color 54.2807, 67.4978,

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

54.2807, 67.4978, 12.6501

Protanopia

61.0121, 67.4761, 12.0940

Deuteranopia

67.1421, 66.9349, 29.4596



Tritanopia

68.0696, 67.3681, 80.6498

Trichromacy



Original Color

54.2807, 67.4978, 12.6501

Protanomaly

58.1592, 67.1477, 12.2784

Deuteranomaly

61.5485, 66.8023, 20.9594

Tritanomaly

60.5159, 66.1608, 42.8385

Monochromacy



Original Color

54.2807, 67.4978, 12.6501

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.7363, 60.4519, 35.2744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2807, 67.4978, 12.6501 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(212, 224, 45)` looks like.

```
.text, #text, p{  
    color:rgb(212, 224, 45)  
}
```

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(212, 224, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 224, 45) }
```

Border

The CSS property to change the border of an element to XYZ 54.2807, 67.4978, 12.6501 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(212, 224, 45) }
```


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

```
.border{ border-color:rgb(212, 224, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 224, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 224, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 224, 45);  
box-shadow:4px 4px 4px 4px rgb(212, 224,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2807, 67.4978, 12.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 224, 45) }
```

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

```
.background{ background-color: rgb(212,  
224, 45) }
```

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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