

Converting Colors

XYZ(45.9020, 55.7230, 14.8048)

Have a look what the booklet for
XYZ(45.9020, 55.7230, 14.8048)
contains.

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Color

**XYZ(45.8549, 55.5505,
14.7841)**

Conversions

Conversions Part 1

Format	Color
Hex	C5CC4A
RGB	197, 204, 74
RGB Percent	77%, 80%, 29%
CMY	0.2275, 0.2000, 0.7098
CMYK	0.03, 0.00, 0.64, 0.20
HSL	63°, 56%, 55%
HSV	63°, 64%, 80%
XYZ	45.8549, 55.5505, 14.7841
YIQ	187.0870, 37.5580, -41.9140

Conversions

Conversions Part 2

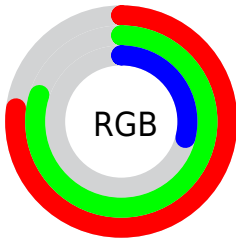
Format	Color
RYB	74, 204, 81
Decimal	12962890
CIELab	79.36, -18.87, 61.61
CIElCh	79, 64.439, 107.030
Yxy	55.5505, 0.3947, 0.4781
Android (android.graphics.Color)	4291152970 (0xFFC5CC4A)
YUV	187.0870, -55.7519, 8.6937
Hunter-Lab	74.5322, -20.6117, 40.4119

Details

The XYZ color **45.8549, 55.5505, 14.7841** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **16.7430, 11.0078, 58.3724**, and the grayscale version is **47.5746, 50.0521, 54.5068**.

A 20% lighter version of the original color is **80.9624, 94.3650, 34.7160**, and **21.7599, 27.4035, 4.3435** is the 20% darker color. If you saturate the color by 10%, you get **44.9898, 55.1733, 11.7197**, and if you desaturate by 10%, it is **46.9476, 56.0230, 19.0243**.

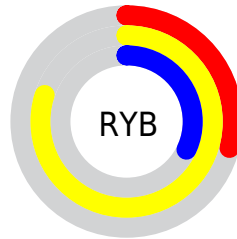
Distribution



Red (77%)

Green (80%)

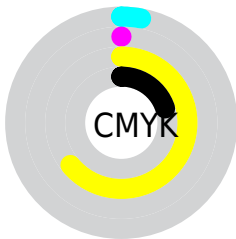
Blue (29%)



Red (29%)

Yellow (80%)

Blue (32%)

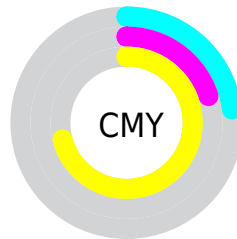


Cyan (3%)

Magenta (0%)

Yellow (64%)

Black (20%)



Cyan (23%)


Magenta (20%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8549, 55.5505, 14.7841 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 45.8549, 55.5505, 14.7841 by changing the saturation by 10% instead.

 45.8549, 55.5505,
14.7841


 45.8549, 55.5505,
14.7841


360.9507,
407.9953, 233.6513


 32.3355, 39.8426,
8.5231


 83.2310, 98.3471,
35.2109


 21.7747, 27.4159,
4.3389


 107.8184,
126.2045, 50.2138


 13.8071, 17.8858,
1.8130


 136.8258,
158.8807, 68.9676

 8.0674, 10.8680,
0.4365

 170.6186,
196.7599, 91.8911

 4.1903, 5.9782,
0.0000

 209.5621,
240.2266, 119.4026

 1.8103, 2.8318,
0.0000

254.0217,

 0.5239, 1.0446,

289.6651, 151.9208

0.0000

304.3628,
345.4599, 189.8642

■ 0.0000, 0.0000,
0.0000

■ 45.8549, 55.5505,
14.7841

■ 45.8549, 55.5505,
14.7841

■ 44.9898, 55.1733,
11.7197

■ 46.9476, 56.0230,
19.0243

■ 44.3258, 54.8749,
9.7095

■ 48.2834, 56.5909,
24.5393

■ 43.8371, 54.6467,
8.6115

■ 49.8809, 57.2638,
31.4218

■ 43.5894, 54.5273,
8.2274

■ 51.7559, 58.0479,
39.7546

■ 53.9230, 58.9491,
49.6142

■ 56.3957, 59.9728,
61.0716

■ 59.1865, 61.1239,
74.1935

■ 62.3074, 62.4074,
89.0425

■ 65.3467, 63.6585,
103.4509

Harmonies

Analogous

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



58.5710, 55.5505, 14.2801



45.8549, 55.5505, 14.7841



36.6331, 55.5505, 23.8060

Triad

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



45.8549, 55.5505, 14.7841



37.6169, 55.5505, 128.8758



80.8841, 55.5505, 77.8923

Complementary

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



45.8549, 55.5505, 14.7841



16.7430, 11.0078, 58.3724

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.



73.1340, 55.5505, 123.0653



45.8549, 55.5505, 14.7841



47.4194, 55.5505, 159.6319

Square

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



45.8549, 55.5505, 14.7841



32.4364, 55.5505, 83.7970



60.4112, 55.5505, 157.1541



80.2804, 55.5505, 41.9552

Rectangle

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



45.8549, 55.5505, 14.7841



33.0765, 55.5505, 36.7594



60.4112, 55.5505, 157.1541



79.1223, 55.5505, 92.7009

Sweetspot

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



45.8562, 55.5531, 14.7852



87.2534, 96.7712, 72.8234



29.0452, 19.1441, 8.6436



18.4593, 20.6229, 14.6063



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.



45.8562, 55.5531, 14.7852



74.1092, 91.1918, 18.1390



32.4252, 48.6291, 14.1567



12.0918, 13.0647, 11.9639



27.4599, 34.3314, 5.1793



1.4353, 1.7807, 0.2681

Inverse Universe

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



16.7430, 11.0078, 58.3724



22.3755, 11.9430, 95.7336



25.1150, 15.3237, 58.7642



10.6568, 10.8724, 14.1073



6.9718, 2.8016, 36.1296



0.3797, 0.1549, 1.8648

Previews

White Background



This preview shows how the XYZ color 45.8549, 55.5505, 14.7841 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 45.8549, 55.5505, 14.7841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

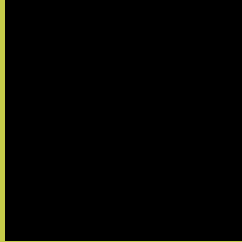
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8549, 55.5505, 14.7841

Background



This preview shows how black text looks on a background with the XYZ color 45.8549, 55.5505, 14.7841.



This preview shows how white text looks on a background with the XYZ color 45.8549, 55.5505,

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

45.8549, 55.5505, 14.7841

Protanopia

50.3494, 55.4605, 14.1821

Deuteranopia

56.5265, 55.3529, 15.2943



Tritanopia

56.3497, 55.4195, 66.1196

Trichromacy



Original Color

45.8549, 55.5505, 14.7841

Protanomaly

48.7208, 55.6385, 14.4748

Deuteranomaly

52.1237, 55.0209, 15.0806

Tritanomaly

51.0883, 54.9276, 40.2572

Monochromacy



Original Color

45.8549, 55.5505, 14.7841

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.7441, 51.2916, 34.6834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8549, 55.5505, 14.7841 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(197, 204, 74)` looks like.

```
.text, #text, p{  
    color:rgb(197, 204, 74)  
}
```

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(197, 204, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 204, 74) }
```

Border

The CSS property to change the border of an element to XYZ 45.8549, 55.5505, 14.7841 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(197, 204, 74) }
```


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

```
.border{ border-color:rgb(197, 204, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 204, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 204, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 204, 74);  
box-shadow:4px 4px 4px 4px rgb(197, 204,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8549, 55.5505, 14.7841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 204, 74) }
```

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

```
.background{ background-color: rgb(197,  
204, 74) }
```

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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