

Converting Colors

XYZ(46.9655, 54.4984, 24.7761)

Have a look what the booklet for
XYZ(46.9655, 54.4984, 24.7761)
contains.

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Color

**XYZ(46.8911, 54.4632,
24.8706)**

Conversions

Conversions Part 1

Format	Color
Hex	C5C875
RGB	197, 200, 117
RGB Percent	77%, 78%, 46%
CMY	0.2275, 0.2157, 0.5412
CMYK	0.02, 0.00, 0.42, 0.22
HSL	62°, 43%, 62%
HSV	62°, 42%, 78%
XYZ	46.8911, 54.4632, 24.8706
YIQ	189.6410, 24.8550, -26.4490

Conversions

Conversions Part 2

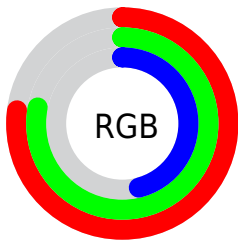
Format	Color
RYB	117, 200, 120
Decimal	12961909
CIELab	78.73, -13.24, 41.07
CIElCh	79, 43.155, 107.869
Yxy	54.4632, 0.3715, 0.4315
Android (android.graphics.Color)	4291151989 (0xFFC5C875)
YUV	189.6410, -35.8120, 6.4538
Hunter-Lab	73.7992, -15.7319, 31.6785

Details

The XYZ color **46.8911, 54.4632, 24.8706** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.5343, 20.8871, 57.3853**, and the grayscale version is **48.9275, 51.4756, 56.0569**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **22.4176, 26.7019, 9.1267** is the 20% darker color. If you saturate the color by 10%, you get **45.6500, 53.9468, 19.3164**, and if you desaturate by 10%, it is **48.3871, 55.0855, 31.7502**.

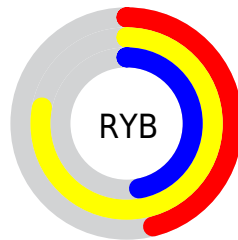
Distribution



Red (77%)

Green (78%)

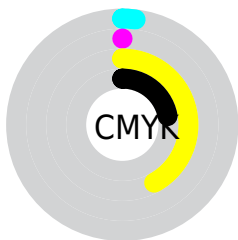
Blue (46%)



Red (46%)

Yellow (78%)

Blue (47%)

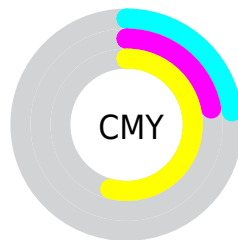


Cyan (2%)

Magenta (0%)

Yellow (42%)

Black (22%)



Cyan (23%)

Magenta (22%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8911, 54.4632, 24.8706 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 46.8911, 54.4632, 24.8706 by changing the saturation by 10% instead.

■ 46.8911, 54.4632,
24.8706

■ 46.8911, 54.4632,
24.8706

365.0359,
403.8739, 290.6199

■ 33.1572, 38.9721,
15.7625

■ 84.7708, 96.7540,
52.4087

■ 22.4067, 26.7380,
9.2037

■ 109.6472,
124.3225, 71.6759

■ 14.2743, 17.3766,
4.7757

■ 138.9686,
156.6856, 95.1665

■ 8.3947, 10.5033,
2.0598

173.1001,
194.2277, 123.2990

■ 4.4024, 5.7339,
0.5917

212.4073,
237.3332, 156.4921

■ 1.9322, 2.6840,
0.0000

257.2554,

■ 0.5955, 0.9691,

286.3865, 195.1643

0.0000

308.0098,
341.7719, 239.7340

■ 0.0000, 0.0000,
0.0000

■ 46.8911, 54.4632,
24.8706

■ 46.8911, 54.4632,
24.8706

■ 45.6500, 53.9468,
19.3164

■ 48.3871, 55.0855,
31.7502

■ 44.6436, 53.5225,
14.9993

■ 50.1486, 55.8122,
40.0295

■ 43.8551, 53.1855,
11.8254


■ 52.1906, 56.6511,
49.7810


■ 43.2641, 52.9275,
9.6861


■ 54.5258, 57.6075,
61.0714


■ 42.8458, 52.7388,
8.4517


■ 57.1660, 58.6860,
73.9635

 42.5876, 52.6174,
7.9116

 60.1225, 59.8911,
88.5162

 63.0813, 61.0972,
103.0759

 63.2778, 61.1985,
103.0851

 63.4752, 61.3002,
103.0944

Harmonies

Analogous

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



55.2920, 54.4632, 24.1945



46.8911, 54.4632, 24.8706



40.5228, 54.4632, 33.0273

Triad

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



46.8911, 54.4632, 24.8706



41.5175, 54.4632, 101.4375



69.5271, 54.4632, 69.7381

Complementary

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



46.8911, 54.4632, 24.8706



24.5343, 20.8871, 57.3853

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.



64.9165, 54.4632, 96.7530



46.8911, 54.4632, 24.8706



48.3925, 54.4632, 118.1501

Square

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



46.8911, 54.4632, 24.8706



37.6631, 54.4632, 74.9250



56.9668, 54.4632, 116.2324



69.0108, 54.4632, 46.0159

Rectangle

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



46.8911, 54.4632, 24.8706



38.0019, 54.4632, 43.2970



56.9668, 54.4632, 116.2324



68.5063, 54.4632, 78.8306

Sweetspot

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



46.8924, 54.4657, 24.8717



90.1024, 97.9740, 84.9677



33.7205, 26.9419, 20.2534



19.1802, 20.9272, 17.6806



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.



46.8924, 54.4657, 24.8717



79.1854, 93.4603, 34.1161



37.5259, 49.6371, 24.4334



11.4845, 12.3967, 11.3503



27.0942, 33.4629, 5.0310



1.2950, 1.5907, 0.2388

Inverse Universe

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



24.5343, 20.8871, 57.3853



35.2380, 27.4431, 98.0476



31.5400, 24.4987, 57.7131



10.0916, 10.3055, 13.3748



6.7028, 2.6897, 34.9102



0.3301, 0.1339, 1.6536

Previews

White Background



This preview shows how the XYZ color 46.8911, 54.4632, 24.8706 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 46.8911, 54.4632, 24.8706 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 46.8911, 54.4632, 24.8706

Background



This preview shows how black text looks on a background with the XYZ color 46.8911, 54.4632, 24.8706.



This preview shows how white text looks on a background with the XYZ color 46.8911, 54.4632,

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

46.8911, 54.4632, 24.8706

Protanopia

50.0502, 54.4142, 24.0847

Deuteranopia

55.5411, 54.3067, 25.3242



Tritanopia

55.1650, 54.5001, 65.3697

Trichromacy



Original Color

46.8911, 54.4632, 24.8706

Protanomaly

48.8508, 54.4589, 24.4599

Deuteranomaly

52.0848, 54.1231, 25.1544

Tritanomaly

51.4632, 54.2972, 47.3032

Monochromacy



Original Color

46.8911, 54.4632, 24.8706

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.8950, 52.5654, 42.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8911, 54.4632, 24.8706 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, 200, 117)` looks like.

```
.text, #text, p{  
    color:rgb(197, 200, 117)  
}
```

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, 200, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 200, 117) }
```

Border

The CSS property to change the border of an element to XYZ 46.8911, 54.4632, 24.8706 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, 200, 117) }
```


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

```
.border{ border-color:rgb(197, 200, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 200, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 200, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 200, 117);  
box-shadow:4px 4px 4px 4px rgb(197, 200,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8911, 54.4632, 24.8706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 200, 117) }
```

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

```
.background{ background-color: rgb(197,  
200, 117) }
```

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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