

Converting Colors

XYZ(46.8758, 54.3849, 19.2618)

Have a look what the booklet for
XYZ(46.8758, 54.3849, 19.2618)
contains.

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Color

**XYZ(46.6685, 54.1274,
19.2972)**

Conversions

Conversions Part 1

Format	Color
Hex	C9C761
RGB	201, 199, 97
RGB Percent	79%, 78%, 38%
CMY	0.2118, 0.2196, 0.6196
CMYK	0.00, 0.01, 0.52, 0.21
HSL	59°, 49%, 58%
HSV	59°, 52%, 79%
XYZ	46.6685, 54.1274, 19.2972
YIQ	187.9700, 33.9340, -31.2980

Conversions

Conversions Part 2

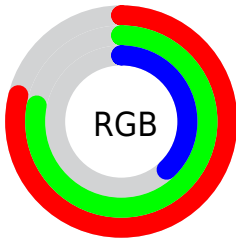
Format	Color
RYB	99, 201, 97
Decimal	13223777
CIELab	78.54, -13.03, 50.65
CIELCh	79, 52.300, 104.423
Yxy	54.1274, 0.3886, 0.4507
Android (android.graphics.Color)	4291413857 (0xFFC9C761)
YUV	187.9700, -44.8482, 11.4273
Hunter-Lab	73.5713, -15.5219, 35.9486

Details

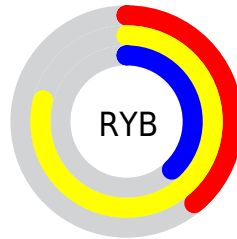
The XYZ color **46.6685, 54.1274, 19.2972** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.9343, 15.6818, 57.2345**, and the grayscale version is **48.0174, 50.5180, 55.0141**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **22.2761, 26.4600, 6.4158** is the 20% darker color. If you saturate the color by 10%, you get **45.7595, 53.6240, 14.9419**, and if you desaturate by 10%, it is **47.8177, 54.7312, 24.9053**.

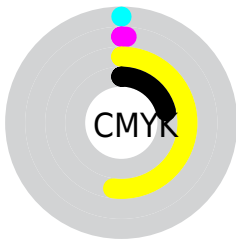
Distribution



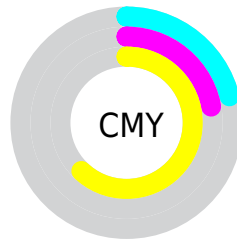
- Red (79%)
- Green (78%)
- Blue (38%)



- Red (39%)
- Yellow (79%)
- Blue (38%)



- Cyan (0%)
- Magenta (1%)
- Yellow (52%)
- Black (21%)



- Cyan (21%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6685, 54.1274, 19.2972 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 46.6685, 54.1274, 19.2972 by changing the saturation by 10% instead.

■ 46.6685, 54.1274,
19.2972

■ 46.6685, 54.1274,
19.2972

364.1608,
402.5956, 260.5618

■ 32.9805, 38.7035,
11.7062

■ 84.4403, 96.2613,
43.0791

■ 22.2707, 26.5292,
6.4239

■ 109.2549,
123.7401, 60.1071

■ 14.1736, 17.2199,
3.0316

■ 138.5091,
156.0060, 81.1178

■ 8.3240, 10.3914,
1.1108

■ 172.5681,
193.4433, 106.5298

■ 4.3565, 5.6592,
0.0000

211.7975,
236.4366, 136.7617

■ 1.9057, 2.6390,
0.0000

256.5625,

■ 0.5802, 0.9463,

285.3701, 172.2320

0.0000

307.2285,
340.6284, 213.3591

■ 0.0000, 0.0000,
0.0000

■ 46.6685, 54.1274,
19.2972

■ 46.6685, 54.1274,
19.2972

■ 45.7595, 53.6240,
14.9419

■ 47.8177, 54.7312,
24.9053

■ 45.0686, 53.2063,
11.7396

■ 49.2198, 55.4345,
31.8490

■ 44.5762, 52.8683,
9.5811

■ 50.8908, 56.2457,
40.2083

■ 44.2571, 52.6000,
8.3344

■ 52.8446, 57.1704,
50.0556

■ 44.0865, 52.4158,
7.7937

■ 55.0941, 58.2137,
61.4585

■ 57.6512, 59.3805,
74.4805

■ 60.5274, 60.6752,
89.1815

■ 63.2788, 61.9204,
103.2244

■ 63.3694, 62.1016,
103.2546

Harmonies

Analogous

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



56.9513, 54.1274, 19.4380



46.6685, 54.1274, 19.2972



38.7894, 54.1274, 26.9939

Triad

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



46.6685, 54.1274, 19.2972



38.5561, 54.1274, 108.2311



72.9844, 54.1274, 75.5203

Complementary

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



46.6685, 54.1274, 19.2972



19.9343, 15.6818, 57.2345

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.



66.5948, 54.1274, 109.4474



46.6685, 54.1274, 19.2972



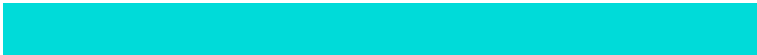
46.3083, 54.1274, 132.2148

Square

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



46.6685, 54.1274, 19.2972



34.5476, 54.1274, 74.2256



56.5399, 54.1274, 132.7223



73.1148, 54.1274, 45.9041

Rectangle

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



46.6685, 54.1274, 19.2972



35.5673, 54.1274, 37.6792



56.5399, 54.1274, 132.7223



71.4628, 54.1274, 86.9776

Sweetspot

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



46.6698, 54.1299, 19.2983



88.9140, 97.1470, 77.8173



30.6853, 21.8966, 14.7852



18.8830, 20.7232, 15.9092



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.



46.6698, 54.1299, 19.2983



78.1933, 91.7218, 24.8677



36.0811, 49.3570, 18.9351



11.5058, 12.3807, 11.3461



27.7282, 32.9736, 4.9031



1.3186, 1.5727, 0.2341

Inverse Universe

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



19.9343, 15.6818, 57.2345



27.5198, 18.8572, 96.7971



26.5891, 18.8354, 57.4924



10.0727, 10.3195, 13.3785



6.6628, 2.7195, 34.9181



0.3213, 0.1404, 1.6553

Previews

White Background



This preview shows how the XYZ color 46.6685, 54.1274, 19.2972 looks on a white background.

Color Contrast Check

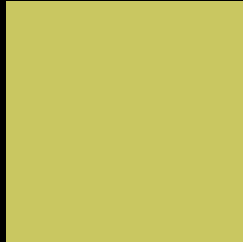
Large Text (above 18pt) WCAG AA × Fail

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 46.6685, 54.1274, 19.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

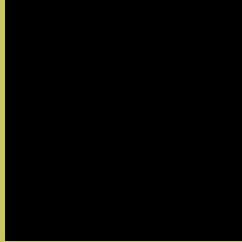
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6685, 54.1274, 19.2972

Background



This preview shows how black text looks on a background with the XYZ color 46.6685, 54.1274, 19.2972.



This preview shows how white text looks on a background with the XYZ color 46.6685, 54.1274,

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

46.6685, 54.1274, 19.2972

Protanopia

49.4274, 53.8752, 18.8602

Deuteranopia

54.9578, 53.8147, 19.8026



Tritanopia

55.5824, 53.8020, 63.3324

Trichromacy



Original Color

46.6685, 54.1274, 19.2972

Protanomaly

48.4296, 54.0260, 18.9419

Deuteranomaly

51.7650, 53.7546, 19.7039

Tritanomaly

51.3441, 53.3518, 42.7138

Monochromacy



Original Color

46.6685, 54.1274, 19.2972

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.7584, 51.4033, 38.4677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6685, 54.1274, 19.2972 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(201, 199, 97)` looks like.

```
.text, #text, p{  
    color:rgb(201, 199, 97)  
}
```

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(201, 199, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 199, 97) }
```

Border

The CSS property to change the border of an element to XYZ 46.6685, 54.1274, 19.2972 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(201, 199, 97) }
```


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

```
.border{ border-color:rgb(201, 199, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 199, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 199, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 199, 97);  
box-shadow:4px 4px 4px 4px rgb(201, 199,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6685, 54.1274, 19.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 199, 97) }
```

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

```
.background{ background-color: rgb(201,  
199, 97) }
```

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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