

Converting Colors

XYZ(46.4867, 56.0207, 8.3629)

Have a look what the booklet for
XYZ(46.4867, 56.0207, 8.3629)
contains.

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Color

**XYZ(46.4947, 56.0231,
8.3630)**

Conversions

Conversions Part 1

Format	Color
Hex	C4CC00
RGB	204, 204, 0
RGB Percent	80%, 80%, 0%
CMY	0.2000, 0.2000, 0.9999
CMYK	0.00, 0.00, 1.00, 0.20
HSL	60°, 100%, 40%
HSV	60°, 100%, 80%
XYZ	46.4947, 56.0231, 8.3630
YIQ	180.7440, 65.4840, -63.4440

Conversions

Conversions Part 2

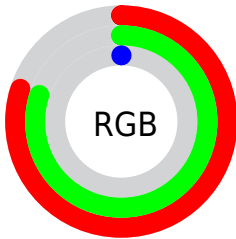
Format	Color
RYB	0, 204, 0
Decimal	13421568
CIELab	79.63, -18.22, 79.86
CIELCh	80, 81.911, 102.852
Yxy	56.0231, 0.4193, 0.5053
Android (android.graphics.Color)	4291611648 (0xFFCCCC00)
YUV	180.7440, -89.1068, 20.3955
Hunter-Lab	74.8486, -20.1038, 45.7694

Details

The XYZ color **46.4947, 56.0231, 8.3630** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **10.9004, 4.3606, 57.3975**, and the grayscale version is **44.2268, 46.5301, 50.6712**.

A 20% lighter version of the original color is **78.6397, 93.4359, 22.4845**, and **22.5834, 27.8324, 4.1819** is the 20% darker color. If you saturate the color by 10%, you get **46.4958, 56.0257, 8.3634**, and if you desaturate by 10%, it is **46.6261, 56.0778, 9.0485**.

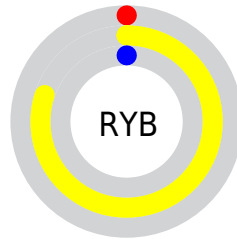
Distribution



Red (80%)

Green (80%)

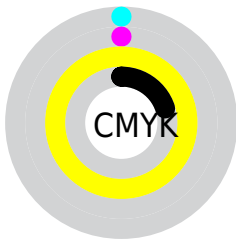
Blue (0%)



Red (0%)

Yellow (80%)

Blue (0%)

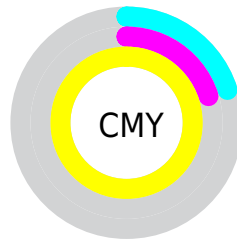


Cyan (0%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4947, 56.0231, 8.3630 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 46.4947, 56.0231, 8.3630 by changing the saturation by 10% instead.


 46.4947, 56.0231,
8.3630

 46.4947, 56.0231,
8.3630


363.4766,
409.7785, 188.5918


 32.8426, 40.2214,
4.2370


 84.1822, 99.0384,
23.2249


 22.1646, 27.7112,
1.7562


 108.9484,
127.0207, 34.7978


 14.0952, 18.1081,
0.3989


 138.1500,
159.8322, 49.6902

 8.2690, 11.0276,
0.0000

 172.1523,
197.8570, 68.3204

 4.3208, 6.0854,
0.0000

 211.3208,
241.4797, 91.1072

 1.8852, 2.8971,
0.0000

 256.0208,

 0.5682, 1.0782,

291.0846, 118.4690

0.0000

306.6176,
347.0560, 150.8243

■ 0.0000, 0.0000,
0.0000

■ 46.4947, 56.0231,
8.3630

■ 46.4947, 56.0231,
8.3630

■ 46.4958, 56.0257,
8.3634

■ 46.6261, 56.0778,
9.0485

■ 46.8934, 56.1847,
10.4551

■ 47.3448, 56.3653,
12.8311

■ 48.0053, 56.6296,
16.3088

■ 48.8963, 56.9860,
20.9997

■ 50.0363, 57.4420,
27.0018

■ 51.4420, 58.0043,
34.4030

■ 53.1286, 58.6789,
43.2838

■ 55.1103, 59.4716,
53.7184

Harmonies

Analogous

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



63.1672, 56.0231, 8.8408



46.4947, 56.0231, 8.3630



34.4448, 56.0231, 15.6767

Triad

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



46.4947, 56.0231, 8.3630



33.2014, 56.0231, 146.0765



89.7067, 56.0231, 91.9236

Complementary

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



46.4947, 56.0231, 8.3630



10.9004, 4.3606, 57.3975

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.



77.8876, 56.0231, 154.8736



46.4947, 56.0231, 8.3630



44.4262, 56.0231, 195.6403

Square

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



46.4947, 56.0231, 8.3630



27.9076, 56.0231, 83.5391



60.6261, 56.0231, 199.5017



90.5816, 56.0231, 42.9296

Rectangle

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



46.4947, 56.0231, 8.3630



29.7012, 56.0231, 28.2091



60.6261, 56.0231, 199.5017



86.7854, 56.0231, 112.5981

Sweetspot

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



46.4960, 56.0257, 8.3641



85.0853, 96.0140, 56.4313



24.9038, 12.8387, 1.1662



17.9888, 20.4617, 10.9045



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.



46.4960, 56.0257, 8.3641



76.9971, 92.7785, 13.8499



27.0755, 46.0141, 7.4553



12.1539, 13.0967, 11.9668



29.2632, 35.2611, 5.2637



1.5097, 1.8191, 0.2715

Inverse Universe

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



10.9004, 4.3606, 57.3975



18.0501, 7.2201, 95.0500



16.3812, 7.1861, 57.6540



10.6018, 10.8440, 14.1047



6.8601, 2.7440, 36.1244



0.3539, 0.1416, 1.8636

Previews

White Background



This preview shows how the XYZ color 46.4947, 56.0231, 8.3630 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 46.4947, 56.0231, 8.3630 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 46.4947, 56.0231, 8.3630

Background



This preview shows how black text looks on a background with the XYZ color 46.4947, 56.0231, 8.3630.

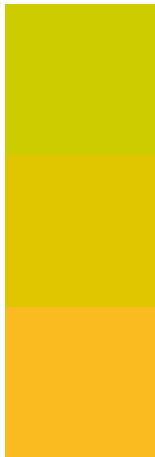


This preview shows how white text looks on a background with the XYZ color 46.4947, 56.0231,

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

46.4947, 56.0231, 8.3630

Protanopia

50.6255, 56.0761, 8.1555

Deuteranopia

57.0846, 55.7793, 9.0541



Tritanopia

57.9278, 55.9383, 64.8708

Trichromacy



Original Color

46.4947, 56.0231, 8.3630

Protanomaly

48.9732, 55.9075, 8.2101

Deuteranomaly

52.8005, 55.5141, 8.5942

Tritanomaly

50.6957, 54.6390, 28.9935

Monochromacy



Original Color

46.4947, 56.0231, 8.3630

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.2784, 48.4518, 23.3435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4947, 56.0231, 8.3630 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(204, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 0)  
}
```

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(204, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.4947, 56.0231, 8.3630 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(204, 204, 0) }
```


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

```
.border{ border-color:rgb(204, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4947, 56.0231, 8.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 0) }
```

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

```
.background{ background-color: rgb(204,  
204, 0) }
```

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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