

Converting Colors

XYZ(46.8637, 56.0023, 8.5110)

Have a look what the booklet for
XYZ(46.8637, 56.0023, 8.5110)
contains.

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Color

**XYZ(46.8424, 55.8468,
8.4830)**

Conversions

Conversions Part 1

Format	Color
Hex	CECB06
RGB	206, 203, 6
RGB Percent	81%, 80%, 2%
CMY	0.1922, 0.2039, 0.9764
CMYK	0.00, 0.01, 0.97, 0.19
HSL	59°, 94%, 42%
HSV	59°, 97%, 81%
XYZ	46.8424, 55.8468, 8.4830
YIQ	181.4390, 65.0250, -60.6310

Conversions

Conversions Part 2

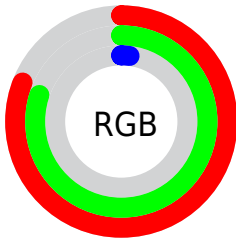
Format	Color
R _Y B	9, 206, 6
Decimal	13552390
CIE Lab	79.53, -16.81, 79.28
CIE LCh	80, 81.043, 101.969
Yxy	55.8468, 0.4213, 0.5023
Android (android.graphics.Color)	4291742470 (0xFFCECB06)
YUV	181.4390, -86.4914, 21.5400
Hunter-Lab	74.7307, -18.8921, 45.5812

Details

The XYZ color **46.8424, 55.8468, 8.4830** 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 **11.3138, 4.6909, 58.7012**, and the grayscale version is **44.5914, 46.9136, 51.0889**.

A 20% lighter version of the original color is **78.6797, 93.4519, 22.6953**, and **22.7801, 27.6979, 4.1456** is the 20% darker color. If you saturate the color by 10%, you get **46.7893, 55.7936, 8.3032**, and if you desaturate by 10%, it is **47.0771, 56.0594, 9.3537**.

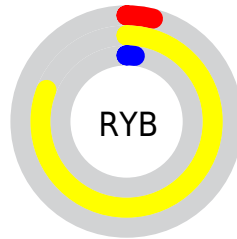
Distribution



Red (81%)

Green (80%)

Blue (2%)



Red (4%)

Yellow (81%)

Blue (2%)

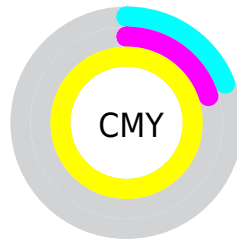


Cyan (0%)

Magenta (1%)

Yellow (97%)

Black (19%)



Cyan (19%)

Magenta (20%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8424, 55.8468, 8.4830 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 46.8424, 55.8468, 8.4830 by changing the saturation by 10% instead.

■ 46.8424, 55.8468,
8.4830

■ 46.8424, 55.8468,
8.4830

364.8445,
409.1139, 189.5467

■ 33.1185, 40.0801,
4.3134

■ 84.6985, 98.7805,
23.4616

■ 22.3769, 27.6010,
1.7988

■ 109.5614,
126.7164, 35.1077

■ 14.2523, 18.0251,
0.4271

■ 138.8681,
159.4774, 50.0830

■ 8.3792, 10.9680,
0.0000

■ 172.9838,
197.4480, 68.8060

■ 4.3924, 6.0453,
0.0000

■ 212.2739,
241.0125, 91.6954

■ 1.9264, 2.8727,
0.0000

■ 257.1039,

■ 0.5921, 1.0656,

290.5554, 119.1696

0.0000

307.8390,
346.4611, 151.6472

■ 0.0000, 0.0000,
0.0000

■ 46.8424, 55.8468,
8.4830

■ 46.8424, 55.8468,
8.4830

■ 46.7893, 55.7936,
8.3032

■ 47.0771, 56.0594,
9.3537

■ 47.4743, 56.3352,
11.0849

■ 48.0679, 56.6898,
13.8498

■ 48.8823, 57.1329,
17.7766

■ 49.9383, 57.6729,
22.9752

■ 51.2544, 58.3171,
29.5425

■ 52.8472, 59.0723,
37.5662

■ 54.7320, 59.9445,
47.1266

■ 56.9229, 60.9393,
58.2983

Harmonies

Analogous

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



63.3852, 55.8468, 9.1611



46.8424, 55.8468, 8.4830



34.7586, 55.8468, 15.5073

Triad

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



46.8424, 55.8468, 8.4830



33.0211, 55.8468, 142.7540



88.8101, 55.8468, 93.0385

Complementary

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



46.8424, 55.8468, 8.4830



11.3138, 4.6909, 58.7012

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.



76.9204, 55.8468, 154.9411



46.8424, 55.8468, 8.4830



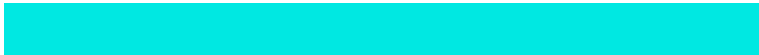
43.9583, 55.8468, 192.3285

Square

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



46.8424, 55.8468, 8.4830



27.9442, 55.8468, 81.3875



59.8497, 55.8468, 197.6709



90.0246, 55.8468, 44.0271

Rectangle

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



46.8424, 55.8468, 8.4830



29.9429, 55.8468, 27.6266



59.8497, 55.8468, 197.6709



85.8317, 55.8468, 113.4981

Sweetspot

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



46.8437, 55.8494, 8.4841



84.9935, 95.4139, 57.6801



25.5701, 13.2730, 1.4830



17.9513, 20.3085, 11.1321



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.



46.8437, 55.8494, 8.4841



75.7942, 90.3685, 13.4481



28.4534, 47.4286, 7.8280



12.1389, 13.0667, 11.9618



28.8185, 34.3699, 5.1152



1.4914, 1.7825, 0.2655

Inverse Universe

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



11.3138, 4.6909, 58.7012



18.0914, 7.3029, 95.0638



16.7627, 7.4517, 58.9469



10.6150, 10.8704, 14.1091



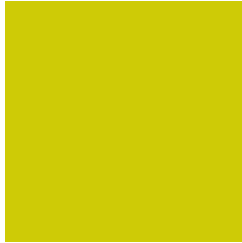
6.8869, 2.7979, 36.1333



0.3601, 0.1540, 1.8657

Previews

White Background



This preview shows how the XYZ color 46.8424, 55.8468, 8.4830 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 46.8424, 55.8468, 8.4830 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 46.8424, 55.8468, 8.4830

Background



This preview shows how black text looks on a background with the XYZ color 46.8424, 55.8468, 8.4830.

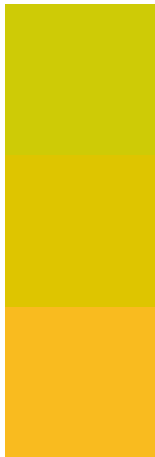


This preview shows how white text looks on a background with the XYZ color 46.8424, 55.8468,

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

46.8424, 55.8468, 8.4830

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

57.0846, 55.7793, 9.0541



Tritanopia

58.1905, 55.7671, 64.1971

Trichromacy



Original Color

46.8424, 55.8468, 8.4830

Protanomaly

48.7533, 55.4502, 8.1908

Deuteranomaly

52.8191, 55.5215, 8.6919

Tritanomaly

51.1201, 54.5184, 29.3015

Monochromacy



Original Color

46.8424, 55.8468, 8.4830

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.6437, 48.6267, 23.9680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8424, 55.8468, 8.4830 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(206, 203, 6)` looks like.

```
.text, #text, p{  
    color:rgb(206, 203, 6)  
}
```

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(206, 203, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 203, 6) }
```

Border

The CSS property to change the border of an element to XYZ 46.8424, 55.8468, 8.4830 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(206, 203, 6) }
```


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

```
.border{ border-color:rgb(206, 203, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 203, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 203, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 203, 6);  
box-shadow:4px 4px 4px 4px rgb(206, 203,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8424, 55.8468, 8.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 203, 6) }
```

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

```
.background{ background-color: rgb(206,  
203, 6) }
```

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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