

Converting Colors

XYZ(46.5070, 56.6468, 9.3080)

Have a look what the booklet for
XYZ(46.5070, 56.6468, 9.3080)
contains.

XYZ(46.5831, 56.7610, 9.3114)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.5831, 56.7610,
9.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	CACE17
RGB	202, 206, 23
RGB Percent	79%, 81%, 9%
CMY	0.2078, 0.1921, 0.9097
CMYK	0.02, 0.00, 0.89, 0.19
HSL	61°, 80%, 45%
HSV	61°, 89%, 81%
XYZ	46.5831, 56.7610, 9.3114
YIQ	183.9420, 56.3590, -57.7610

Conversions

Conversions Part 2

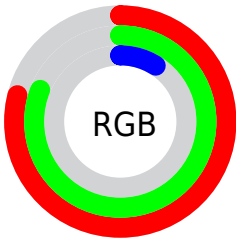
Format	Color
RYB	23, 206, 27
Decimal	13291031
CIELab	80.04, -19.77, 77.48
CIELCh	80, 79.963, 104.316
Yxy	56.7610, 0.4135, 0.5038
Android (android.graphics.Color)	4291481111 (0xFFCACE17)
YUV	183.9420, -79.3444, 15.8369
Hunter-Lab	75.3399, -21.4772, 45.4102

Details

The XYZ color **46.5831, 56.7610, 9.3114** 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 **11.9004, 5.3031, 58.7924**, and the grayscale version is **45.9328, 48.3248, 52.6257**.

A 20% lighter version of the original color is **78.9318, 93.5527, 24.0225**, and **22.5559, 28.2961, 4.2729** is the 20% darker color. If you saturate the color by 10%, you get **46.3210, 56.6442, 8.5614**, and if you desaturate by 10%, it is **46.9992, 56.9437, 10.8592**.

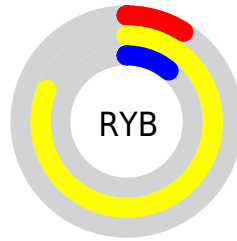
Distribution



Red (79%)

Green (81%)

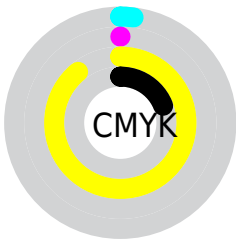
Blue (9%)



Red (9%)

Yellow (81%)

Blue (11%)

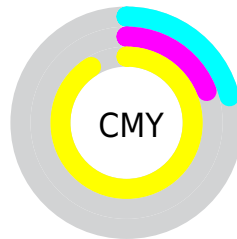


Cyan (2%)

Magenta (0%)

Yellow (89%)

Black (19%)



Cyan (21%)

Magenta (19%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5831, 56.7610, 9.3114 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 46.5831, 56.7610, 9.3114 by changing the saturation by 10% instead.

■ 46.5831, 56.7610,
9.3114

■ 46.5831, 56.7610,
9.3114

363.8247,
412.5531, 195.9870

■ 32.9128, 40.8134,
4.8453

■ 84.3135, 100.1164,
25.0792

■ 22.2185, 28.1733,
2.0996

■ 109.1043,
128.2929, 37.2180

■ 14.1351, 18.4563,
0.6155

■ 138.3327,
161.3146, 52.7515

■ 8.2970, 11.2781,
0.0000

■ 172.3639,
199.5657, 72.0981

■ 4.3390, 6.2542,
0.0000

■ 211.5633,
243.4307, 95.6764

■ 1.8956, 3.0003,
0.0000

■ 256.2964,

■ 0.5743, 1.1319,

293.2941, 123.9050

0.0000

306.9284,
349.5401, 157.2023

■ 0.0000, 0.0050,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5831, 56.7610,
9.3114

■ 46.5831, 56.7610,
9.3114

■ 46.3210, 56.6442,
8.5614

■ 46.9992, 56.9437,
10.8592

■ 46.2935, 56.6316,
8.4911

■ 47.6059, 57.2005,
13.4143

■ 48.4297, 57.5442,
17.1106

■ 49.4918, 57.9834,
22.0604

■ 50.8112, 58.5254,
28.3628

■ 52.4047, 59.1771,
36.1068

■ 54.2878, 59.9447,
45.3740

■ 56.4749, 60.8339,
56.2399

■ 58.9792, 61.8501,
68.7748

Harmonies

Analogous

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



62.8499, 56.7610, 9.4690



46.5831, 56.7610, 9.3114



34.9244, 56.7610, 17.3272

Triad

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



46.5831, 56.7610, 9.3114



34.5307, 56.7610, 147.8232



89.9912, 56.7610, 89.3040

Complementary

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



46.5831, 56.7610, 9.3114



11.9004, 5.3031, 58.7924

Split Complementary

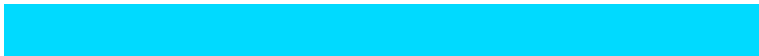
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8689, 56.7610, 150.5449



46.5831, 56.7610, 9.3114



45.9320, 56.7610, 194.2842

Square

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



46.5831, 56.7610, 9.3114



28.9741, 56.7610, 86.6891



62.0545, 56.7610, 195.4746



90.2634, 56.7610, 42.2035

Rectangle

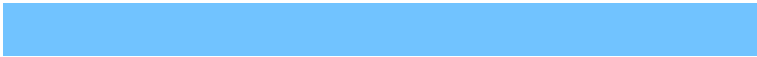
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.5831, 56.7610, 9.3114



30.3962, 56.7610, 30.5537



62.0545, 56.7610, 195.4746



87.3111, 56.7610, 109.2950

Sweetspot

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



46.5844, 56.7636, 9.3126



85.3265, 96.0468, 60.5797



25.9807, 13.9261, 2.1300



18.0561, 20.4733, 11.9528



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.



46.5844, 56.7636, 9.3126



74.9759, 91.7366, 13.7553



28.8410, 47.6166, 8.4822



12.1286, 13.0837, 11.9656



28.5158, 34.8757, 5.2287



1.4790, 1.8033, 0.2701

Inverse Universe

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



11.9004, 5.3031, 58.7924



18.1199, 7.2560, 95.0533



18.8594, 8.8906, 59.1181



10.6241, 10.8555, 14.1057



6.9054, 2.7674, 36.1265



0.3644, 0.1470, 1.8641

Previews

White Background



This preview shows how the XYZ color 46.5831, 56.7610, 9.3114 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 46.5831, 56.7610, 9.3114 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 46.5831, 56.7610, 9.3114

Background



This preview shows how black text looks on a background with the XYZ color 46.5831, 56.7610, 9.3114.



This preview shows how white text looks on a background with the XYZ color 46.5831, 56.7610,

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

46.5831, 56.7610, 9.3114

Protanopia

51.2902, 56.7446, 8.9114

Deuteranopia

57.7574, 56.4304, 9.6817



Tritanopia

58.4310, 56.8032, 66.9160

Trichromacy



Original Color

46.5831, 56.7610, 9.3114

Protanomaly

49.5748, 56.8941, 9.0783

Deuteranomaly

53.3939, 56.4637, 9.5233

Tritanomaly

51.5638, 55.6748, 32.8396

Monochromacy



Original Color

46.5831, 56.7610, 9.3114

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.0372, 50.2563, 26.7815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5831, 56.7610, 9.3114 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(202, 206, 23)` looks like.

```
.text, #text, p{  
    color:rgb(202, 206, 23)  
}
```

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(202, 206, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 206, 23) }
```

Border

The CSS property to change the border of an element to XYZ 46.5831, 56.7610, 9.3114 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(202, 206, 23) }
```


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

```
.border{ border-color:rgb(202, 206, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 206, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 206, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 206, 23);  
box-shadow:4px 4px 4px 4px rgb(202, 206,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5831, 56.7610, 9.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 206, 23) }
```

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

```
.background{ background-color: rgb(202,  
206, 23) }
```

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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