

Converting Colors

XYZ(47.7309, 55.1961, 2.8127)

Have a look what the booklet for
XYZ(47.7309, 55.1961, 2.8127)
contains.

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Color

**XYZ(48.7423, 55.4458,
8.1331)**

Conversions

Conversions Part 1

Format	Color
Hex	D8C700
RGB	216, 199, 0
RGB Percent	85%, 78%, 0%
CMY	0.1529, 0.2196, 0.9999
CMYK	0.00, 0.08, 1.00, 0.15
HSL	55°, 100%, 42%
HSV	55°, 100%, 85%
XYZ	48.7423, 55.4458, 8.1331
YIQ	181.3970, 74.0110, -58.2850

Conversions

Conversions Part 2

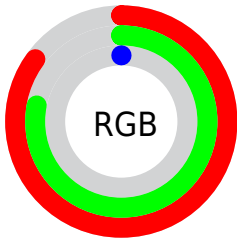
Format	Color
RYB	18, 216, 0
Decimal	14206720
CIELab	79.30, -10.55, 80.08
CIELCh	79, 80.769, 97.506
Yxy	55.4458, 0.4340, 0.4936
Android (android.graphics.Color)	4292396800 (0xFFD8C700)
YUV	181.3970, -89.4287, 30.3468
Hunter-Lab	74.4619, -13.4634, 45.6474

Details

The XYZ color **48.7423, 55.4458, 8.1331** 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 **12.5955, 5.3594, 65.3357**, and the grayscale version is **44.5804, 46.9020, 51.0763**.

A 20% lighter version of the original color is **78.6002, 93.4201, 22.2767**, and **23.9892, 27.6257, 4.0679** is the 20% darker color. If you saturate the color by 10%, you get **48.7430, 55.4476, 8.1334**, and if you desaturate by 10%, it is **49.2779, 56.2914, 9.0082**.

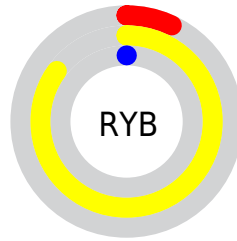
Distribution



Red (85%)

Green (78%)

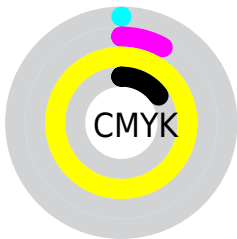
Blue (0%)



Red (7%)

Yellow (85%)

Blue (0%)

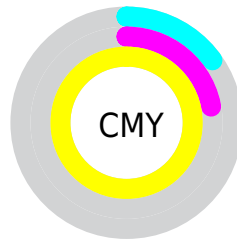


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7423, 55.4458, 8.1331 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 48.7423, 55.4458, 8.1331 by changing the saturation by 10% instead.


 48.7423, 55.4458,
8.1331


 48.7423, 55.4458,
8.1331


372.2607,
407.5996, 186.7457

 34.6288, 39.7588,
4.0912


 87.5116, 98.1938,
22.7694


 23.5422, 27.3505,
1.6755


 112.8981,
126.0236, 34.2010

 15.1173, 17.8366,
0.3439


 142.7730,
158.6697, 48.9328

 8.9886, 10.8328,
0.0000

 177.5017,
196.5166, 67.3835

 4.7908, 5.9545,
0.0000

 217.4494,
239.9486, 89.9716

 2.1585, 2.8174,
0.0000

 262.9816,

 0.7207, 1.0372,

289.3502, 117.1157

0.0000

314.4636,
345.1057, 149.2342

■ 0.0000, 0.0000,
0.0000

■ 48.7423, 55.4458,
8.1331

■ 48.7423, 55.4458,
8.1331

■ 48.7430, 55.4476,
8.1334

■ 49.2779, 56.2914,
9.0082

■ 49.9744, 57.2062,
10.7149

■ 50.8853, 58.2138,
13.5285

■ 52.0395, 59.3258,
17.6018

■ 53.4616, 60.5519,
23.0635

■ 55.1728, 61.9009,
30.0265

■ 57.1926, 63.3804,
38.5921

■ 59.5385, 64.9975,
48.8527

■ 62.2266, 66.7586,
60.8937

Harmonies

Analogous

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



65.5104, 55.4458, 9.8172



48.7423, 55.4458, 8.1331



35.9480, 55.4458, 13.7055

Triad

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



48.7423, 55.4458, 8.1331



31.6852, 55.4458, 132.4181



86.9552, 55.4458, 101.2415

Complementary

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



48.7423, 55.4458, 8.1331



12.5955, 5.3594, 65.3357

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.



73.9828, 55.4458, 162.1211



48.7423, 55.4458, 8.1331



41.6782, 55.4458, 185.6431

Square

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



48.7423, 55.4458, 8.1331



27.4968, 55.4458, 72.7632



56.8654, 55.4458, 198.6463



89.9190, 55.4458, 49.4723

Rectangle

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



48.7423, 55.4458, 8.1331



30.5876, 55.4458, 24.0611



56.8654, 55.4458, 198.6463



83.5086, 55.4458, 121.9426

Sweetspot

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



48.7435, 55.4484, 8.1342



83.1960, 92.2341, 55.8012



28.4282, 14.6430, 1.9012



17.5286, 19.5410, 10.7510



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.



48.7435, 55.4484, 8.1342



70.9302, 80.6403, 11.8267



33.1612, 53.5476, 8.5886



13.3854, 14.3449, 13.2241



28.8880, 32.8932, 4.8265



1.7677, 2.0347, 0.2996

Inverse Universe

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



12.5955, 5.3594, 65.3357



18.3013, 7.7226, 95.1338



16.6125, 7.1326, 65.4663



11.8203, 12.1641, 15.6624



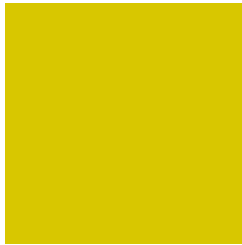
7.4860, 3.2338, 38.6828



0.4795, 0.2510, 2.3425

Previews

White Background



This preview shows how the XYZ color 48.7423, 55.4458, 8.1331 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 48.7423, 55.4458, 8.1331 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 48.7423, 55.4458, 8.1331

Background



This preview shows how black text looks on a background with the XYZ color 48.7423, 55.4458, 8.1331.

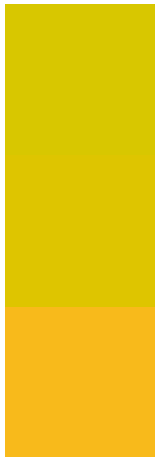


This preview shows how white text looks on a background with the XYZ color 48.7423, 55.4458,

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

48.7423, 55.4458, 8.1331

Protanopia

50.0905, 55.4621, 8.0652

Deuteranopia

56.4681, 55.1534, 8.7064



Tritanopia

59.6527, 55.3154, 61.5657

Trichromacy



Original Color

48.7423, 55.4458, 8.1331

Protanomaly

49.7093, 55.6038, 8.1126

Deuteranomaly

53.3241, 55.1349, 8.3619

Tritanomaly

52.9847, 54.2065, 27.7490

Monochromacy



Original Color

48.7423, 55.4458, 8.1331

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.3259, 48.6736, 23.3311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7423, 55.4458, 8.1331 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(216, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 199, 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(216, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 199, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.7423, 55.4458, 8.1331 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(216, 199, 0) }
```


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

```
.border{ border-color:rgb(216, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 199,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7423, 55.4458, 8.1331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 199, 0) }
```

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

```
.background{ background-color: rgb(216,  
199, 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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