

Converting Colors

XYZ(46.2478, 46.3038, 6.8166)

Have a look what the booklet for
XYZ(46.2478, 46.3038, 6.8166)
contains.

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Color

**XYZ(46.2478, 46.3038,
6.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	E1AE0B
RGB	225, 174, 11
RGB Percent	88%, 68%, 4%
CMY	0.1176, 0.3176, 0.9568
CMYK	0.00, 0.23, 0.95, 0.12
HSL	46°, 91%, 46%
HSV	46°, 95%, 88%
XYZ	46.2478, 46.3038, 6.8166
YIQ	170.6670, 82.7190, -39.8810

Conversions

Conversions Part 2

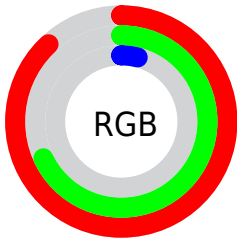
Format	Color
RYB	78, 225, 11
Decimal	14790155
CIELab	73.74, 6.45, 75.31
CIELCh	74, 75.589, 85.107
Yxy	46.3038, 0.4654, 0.4660
Android (android.graphics.Color)	4292980235 (0xFFE1AE0B)
YUV	170.6670, -78.7158, 47.6500
Hunter-Lab	68.0469, 2.2347, 41.6934

Details

The XYZ color **46.2478, 46.3038, 6.8166** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.4519, 8.9537, 72.1475**, and the grayscale version is **38.8968, 40.9225, 44.5646**.

A 20% lighter version of the original color is **70.8206, 77.9232, 19.4916**, and **22.2694, 21.8116, 3.0363** is the 20% darker color. If you saturate the color by 10%, you get **45.6861, 45.2774, 6.3315**, and if you desaturate by 10%, it is **47.5269, 48.5080, 8.3351**.

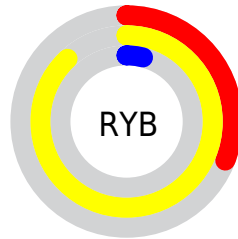
Distribution



Red (88%)

Green (68%)

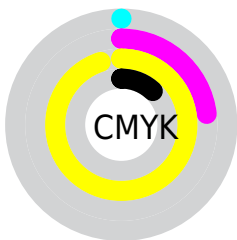
Blue (4%)



Red (31%)

Yellow (88%)

Blue (4%)

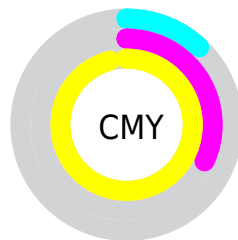


Cyan (0%)

Magenta (23%)

Yellow (95%)

Black (12%)



Cyan (12%)


Magenta (32%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2478, 46.3038, 6.8166 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 46.2478, 46.3038, 6.8166 by changing the saturation by 10% instead.


 46.2478, 46.3038,
6.8166


 46.2478, 46.3038,
6.8166


362.5033,
372.0287, 175.7037

 32.6469, 32.4856,
3.2710


 83.8153, 84.6735,
20.1098


 22.0140, 21.7327,
1.2346


 108.5126,
109.9938, 30.6945

 13.9838, 13.6606,
0.0073


 137.6394,
139.9169, 44.4627

 8.1911, 7.8850,
0.0000

 171.5611,
174.8272, 61.8328

 4.2703, 4.0215,
0.0000

 210.6429,
215.1092, 83.2234

 1.8561, 1.6856,
0.0000

 255.2503,

 0.5512, 0.4143,

261.1471, 109.0530

0.0000

305.7486,
313.3255, 139.7403

■ 0.0000, 0.0000,
0.0000

■ 46.2478, 46.3038,
6.8166

■ 46.2478, 46.3038,
6.8166

■ 45.6861, 45.2774,
6.3315

■ 47.5269, 48.5080,
8.3351

■ 49.0578, 50.8781,
10.9783

■ 50.8781, 53.4315,
14.9368

■ 53.0177, 56.1811,
20.3657

■ 55.5023, 59.1377,
27.3981

■ 58.3546, 62.3112,
36.1522

■ 61.5955, 65.7106,
46.7352

■ 65.2441, 69.3443,
59.2453

■ 69.3180, 73.2199,
73.7738

Harmonies

Analogous

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



60.4806, 46.3038, 10.8518



46.2478, 46.3038, 6.8166



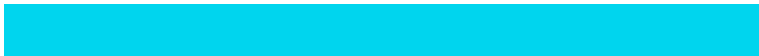
33.9455, 46.3038, 8.7421

Triad

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



46.2478, 46.3038, 6.8166



24.5379, 46.3038, 88.7178



68.7456, 46.3038, 105.5980

Complementary

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



46.2478, 46.3038, 6.8166



15.4519, 8.9537, 72.1475

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.



55.8906, 46.3038, 151.2888



46.2478, 46.3038, 6.8166



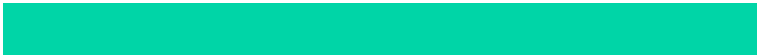
30.8398, 46.3038, 138.5526

Square

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



46.2478, 46.3038, 6.8166



22.9842, 46.3038, 44.3737



41.8463, 46.3038, 165.6873



75.0466, 46.3038, 56.9854

Rectangle

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



46.2478, 46.3038, 6.8166



28.1462, 46.3038, 14.1811



41.8463, 46.3038, 165.6873



64.9352, 46.3038, 122.6153

Sweetspot

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



46.2488, 46.3061, 6.8175



79.9792, 85.3854, 56.0086



32.1110, 16.6232, 6.4434



16.7292, 17.8644, 10.7248



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.



46.2488, 46.3061, 6.8175



60.5835, 59.9471, 8.3778



43.8900, 62.5888, 10.0847



14.5805, 15.4470, 14.5199



26.4211, 26.2801, 3.6800



1.8988, 1.9566, 0.2776

Inverse Universe

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



15.4519, 8.9537, 72.1475



19.7064, 10.5327, 95.6021



15.8582, 6.7832, 71.7071



13.2159, 13.7709, 17.3492



8.6570, 4.7836, 41.5154



0.6689, 0.4692, 2.9006

Previews

White Background



This preview shows how the XYZ color 46.2478, 46.3038, 6.8166 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 46.2478, 46.3038, 6.8166 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 46.2478, 46.3038, 6.8166

Background



This preview shows how black text looks on a background with the XYZ color 46.2478, 46.3038, 6.8166.



This preview shows how white text looks on a background with the XYZ color 46.2478, 46.3038,

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

46.2478, 46.3038, 6.8166

Protanopia

41.9910, 46.4695, 7.2083

Deuteranopia

47.1518, 46.1976, 6.8838



Tritanopia

54.4920, 46.3891, 46.1263

Trichromacy



Original Color

46.2478, 46.3038, 6.8166

Protanomaly

43.3507, 46.2690, 7.0614

Deuteranomaly

47.0177, 46.4128, 6.8959

Tritanomaly

49.6857, 45.4992, 22.3832

Monochromacy



Original Color

46.2478, 46.3038, 6.8166

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.2190, 41.7737, 21.6188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2478, 46.3038, 6.8166 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(225, 174, 11)` looks like.

```
.text, #text, p{  
    color:rgb(225, 174, 11)  
}
```

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(225, 174, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 174, 11) }
```

Border

The CSS property to change the border of an element to XYZ 46.2478, 46.3038, 6.8166 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(225, 174, 11) }
```


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

```
.border{ border-color:rgb(225, 174, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 174, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 174, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 174, 11);  
box-shadow:4px 4px 4px 4px rgb(225, 174,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2478, 46.3038, 6.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 174, 11) }
```

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

```
.background{ background-color: rgb(225,  
174, 11) }
```

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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