

Converting Colors

XYZ(47.0948, 45.2875, 6.1564)

Have a look what the booklet for
XYZ(47.0948, 45.2875, 6.1564)
contains.

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Color

**XYZ(47.1430, 45.3649,
6.2716)**

Conversions

Conversions Part 1

Format	Color
Hex	E7A900
RGB	231, 169, 0
RGB Percent	91%, 66%, 0%
CMY	0.0941, 0.3372, 0.9999
CMYK	0.00, 0.27, 1.00, 0.09
HSL	44°, 100%, 45%
HSV	44°, 100%, 91%
XYZ	47.1430, 45.3649, 6.2716
YIQ	168.2720, 91.2010, -39.4150

Conversions

Conversions Part 2

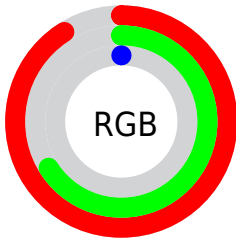
Format	Color
RYB	85, 231, 0
Decimal	15182080
CIELab	73.13, 11.60, 76.44
CIELCh	73, 77.311, 81.370
Yxy	45.3649, 0.4773, 0.4593
Android (android.graphics.Color)	4293372160 (0xFFE7A900)
YUV	168.2720, -82.9581, 55.0125
Hunter-Lab	67.3535, 7.0697, 41.6267

Details

The XYZ color **47.1430, 45.3649, 6.2716** 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 **16.1470, 9.2159, 76.5285**, and the grayscale version is **37.7192, 39.6836, 43.2154**.

A 20% lighter version of the original color is **69.3069, 75.1358, 18.2469**, and **22.9389, 21.2686, 2.8962** is the 20% darker color. If you saturate the color by 10%, you get **47.1431, 45.3655, 6.2717**, and if you desaturate by 10%, it is **48.4807, 47.7914, 7.4862**.

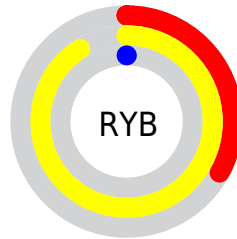
Distribution



Red (91%)

Green (66%)

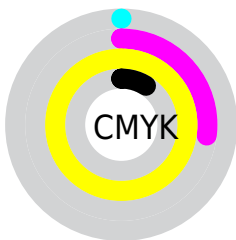
Blue (0%)



Red (33%)

Yellow (91%)

Blue (0%)

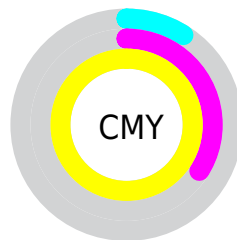


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1430, 45.3649, 6.2716 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 47.1430, 45.3649, 6.2716 by changing the saturation by 10% instead.

 47.1430, 45.3649,
6.2716


 47.1430, 45.3649,
6.2716


366.0244,
368.2494, 170.8606

 33.3571, 31.7449,
2.9395


 85.1445, 83.2677,
18.9794


 22.5607, 21.1668,
1.0638


 110.0908,
108.3194, 29.1921


 14.3884, 13.2460,
0.0000


 139.4880,
137.9504, 42.5355

 8.4748, 7.5981,
0.0000

 173.7014,
172.5451, 59.4280

 4.4546, 3.8389,
0.0000

 213.0964,
212.4880, 80.2883

 1.9624, 1.5839,
0.0000

 258.0383,

 0.6127, 0.3467,

258.1634, 105.5347

0.0000

308.8926,
309.9557, 135.5860

■ 0.0000, 0.0000,
0.0000

■ 47.1430, 45.3649,
6.2716

■ 47.1430, 45.3649,
6.2716

■ 47.1431, 45.3655,
6.2717

■ 48.4807, 47.7914,
7.4862

■ 50.0587, 50.4008,
9.6972

■ 51.9379, 53.2206,
13.2170

■ 54.1533, 56.2658,
18.2271

■ 56.7345, 59.5494,
24.8798

■ 59.7076, 63.0830,
33.3086

■ 63.0959, 66.8768,
43.6333

■ 66.9207, 70.9406,
55.9630

■ 71.2018, 75.2832,
70.3987

Harmonies

Analogous

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



61.4954, 45.3649, 11.0467



47.1430, 45.3649, 6.2716



34.3113, 45.3649, 7.4166

Triad

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



47.1430, 45.3649, 6.2716



23.1362, 45.3649, 81.8438



66.8169, 45.3649, 112.0817

Complementary

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



47.1430, 45.3649, 6.2716



16.1470, 9.2159, 76.5285

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.



53.3157, 45.3649, 156.4219



47.1430, 45.3649, 6.2716



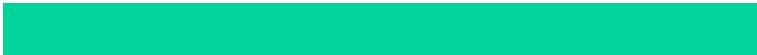
28.8236, 45.3649, 133.5179

Square

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



47.1430, 45.3649, 6.2716



22.1630, 45.3649, 39.0317



39.3288, 45.3649, 165.8377



74.3134, 45.3649, 61.4465

Rectangle

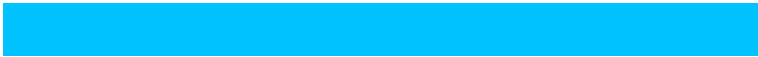
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.1430, 45.3649, 6.2716



28.1007, 45.3649, 11.9127



39.3288, 45.3649, 165.8377



62.7115, 45.3649, 129.1205

Sweetspot

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



47.1440, 45.3672, 6.2725



78.8825, 83.6072, 54.3634



33.9225, 17.3762, 6.6375



16.4863, 17.4564, 10.4036



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.



47.1440, 45.3672, 6.2725



58.9174, 56.6148, 7.8225



47.6208, 66.9695, 10.4170



15.2573, 16.1284, 15.2134



26.5368, 25.6477, 3.5519



2.0366, 2.0465, 0.2877

Inverse Universe

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



16.1470, 9.2159, 76.5285



20.1438, 11.4075, 95.7479



15.7424, 6.4495, 76.0159



13.8959, 14.5132, 18.2133



9.1393, 5.3408, 42.9324



0.7504, 0.5448, 3.1976

Previews

White Background



This preview shows how the XYZ color 47.1430, 45.3649, 6.2716 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 47.1430, 45.3649, 6.2716 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 47.1430, 45.3649, 6.2716

Background



This preview shows how black text looks on a background with the XYZ color 47.1430, 45.3649, 6.2716.



This preview shows how white text looks on a background with the XYZ color 47.1430, 45.3649,

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

47.1430, 45.3649, 6.2716

Protanopia

41.0225, 45.3681, 6.9756

Deuteranopia

46.5578, 45.6198, 6.3516



Tritanopia

54.8150, 45.3292, 43.3965

Trichromacy



Original Color

47.1430, 45.3649, 6.2716

Protanomaly

43.0097, 45.2143, 6.6901

Deuteranomaly

46.6878, 45.4075, 6.3038

Tritanomaly

50.0437, 44.4053, 20.1208

Monochromacy



Original Color

47.1430, 45.3649, 6.2716

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.1423, 40.1432, 19.6480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1430, 45.3649, 6.2716 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(231, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(231, 169, 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(231, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 169, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.1430, 45.3649, 6.2716 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(231, 169, 0) }
```


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

```
.border{ border-color:rgb(231, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(231, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(231, 169,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1430, 45.3649, 6.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 169, 0) }
```

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

```
.background{ background-color: rgb(231,  
169, 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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