

Converting Colors

XYZ(47.7920, 46.9195, 7.2463)

Have a look what the booklet for
XYZ(47.7920, 46.9195, 7.2463)
contains.

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Color

**XYZ(47.7121, 46.7643,
7.2212)**

Conversions

Conversions Part 1

Format	Color
Hex	E6AD15
RGB	230, 173, 21
RGB Percent	90%, 68%, 8%
CMY	0.0980, 0.3215, 0.9176
CMYK	0.00, 0.25, 0.91, 0.10
HSL	44°, 83%, 49%
HSV	44°, 91%, 90%
XYZ	47.7121, 46.7643, 7.2212
YIQ	172.7150, 82.7640, -35.1880

Conversions

Conversions Part 2

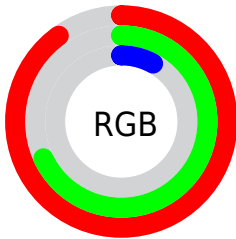
Format	Color
R _Y B	99, 230, 21
Decimal	15117589
CIE Lab	74.04, 9.28, 74.28
CIE LCh	74, 74.861, 82.882
Yxy	46.7643, 0.4692, 0.4598
Android (android.graphics.Color)	4293307669 (0xFFE6AD15)
YUV	172.7150, -74.7955, 50.2389
Hunter-Lab	68.3844, 4.8674, 41.6082

Details

The XYZ color **47.7121, 46.7643, 7.2212** 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 **17.3170, 11.3220, 76.1351**, and the grayscale version is **39.9163, 41.9951, 45.7327**.

A 20% lighter version of the original color is **70.7037, 77.4349, 20.2368**, and **23.1996, 22.1098, 3.0449** is the 20% darker color. If you saturate the color by 10%, you get **46.5023, 44.5617, 6.1503**, and if you desaturate by 10%, it is **49.2637, 49.3568, 9.3143**.

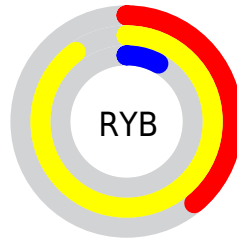
Distribution



Red (90%)

Green (68%)

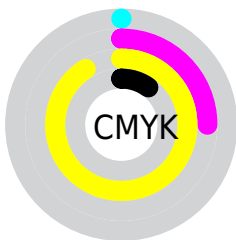
Blue (8%)



Red (39%)

Yellow (90%)

Blue (8%)

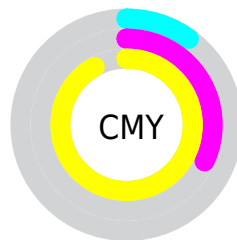


Cyan (0%)

Magenta (25%)

Yellow (91%)

Black (10%)



Cyan (10%)

Magenta (32%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7121, 46.7643, 7.2212 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 47.7121, 46.7643, 7.2212 by changing the saturation by 10% instead.

47.7121, 46.7643,
7.2212

47.7121, 46.7643,
7.2212

368.2514,
373.8729, 179.1893

33.8093, 32.8494,
3.5203

85.9879, 85.3617,
20.9372

22.9093, 22.0111,
1.3660

111.0915,
110.8129, 31.7895

14.6469, 13.8650,
0.1150

140.6595,
140.8784, 45.8625

8.6566, 8.0269,
0.0000

175.0571,
175.9425, 63.5749

4.5732, 4.1121,
0.0000

214.6498,
216.3896, 85.3453

2.0313, 1.7365,
0.0000

259.8028,

0.6514, 0.4471,

262.6041, 111.5921

0.0000

310.8816,
314.9704, 142.7340

■ 0.0000, 0.0000,
0.0000

■ 47.7121, 46.7643,
7.2212

■ 47.7121, 46.7643,
7.2212

■ 46.5023, 44.5617,
6.1503

■ 49.2637, 49.3568,
9.3143

■ 51.1108, 52.1571,
12.6854

■ 53.2896, 55.1829,
17.5179

■ 55.8300, 58.4472,
23.9647

■ 58.7580, 61.9615,
32.1593

■ 62.0967, 65.7363,
42.2211

■ 65.8677, 69.7812,
54.2590

■ 70.0906, 74.1052,
68.3736

■ 74.7838, 78.7167,
84.6585

Harmonies

Analogous

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



61.8465, 46.7643, 11.8715



47.7121, 46.7643, 7.2212



35.1783, 46.7643, 8.7386

Triad

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



47.7121, 46.7643, 7.2212



24.7129, 46.7643, 85.2671



68.2741, 46.7643, 109.5618

Complementary

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



47.7121, 46.7643, 7.2212



17.3170, 11.3220, 76.1351

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.



55.2180, 46.7643, 153.4015



47.7121, 46.7643, 7.2212



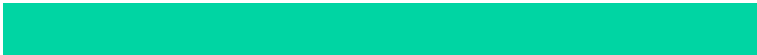
30.6631, 46.7643, 135.1378

Square

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



47.7121, 46.7643, 7.2212



23.4989, 46.7643, 42.3249



41.3364, 46.7643, 164.5691



75.1676, 46.7643, 60.6027

Rectangle

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



47.7121, 46.7643, 7.2212



29.1422, 46.7643, 13.7679



41.3364, 46.7643, 164.5691



64.3488, 46.7643, 126.2151

Sweetspot

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



47.7131, 46.7666, 7.2221



80.1789, 84.9315, 58.7056



34.3575, 17.9421, 9.2852



16.8237, 17.8108, 11.5038



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.



47.7131, 46.7666, 7.2221



58.6852, 56.1504, 7.7451



48.3718, 66.9267, 11.0787



15.2518, 16.1175, 15.2116



26.4340, 25.4421, 3.5176



2.0297, 2.0327, 0.2854

Inverse Universe

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



17.3170, 11.3220, 76.1351



20.2115, 11.5431, 95.7705



16.8177, 7.4183, 75.4079



13.9011, 14.5235, 18.2150



9.1711, 5.4043, 42.9429



0.7533, 0.5506, 3.1985

Previews

White Background



This preview shows how the XYZ color 47.7121, 46.7643, 7.2212 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 47.7121, 46.7643, 7.2212 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 47.7121, 46.7643, 7.2212

Background



This preview shows how black text looks on a background with the XYZ color 47.7121, 46.7643, 7.2212.



This preview shows how white text looks on a background with the XYZ color 47.7121, 46.7643,

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

47.7121, 46.7643, 7.2212

Protanopia

42.5520, 47.0547, 7.7039

Deuteranopia

47.7121, 46.7643, 7.2212



Tritanopia

55.5476, 46.6840, 45.6184

Trichromacy



Original Color

47.7121, 46.7643, 7.2212

Protanomaly

44.2991, 46.7491, 7.4993

Deuteranomaly

47.7121, 46.7643, 7.2212

Tritanomaly

50.9861, 45.8804, 23.3081

Monochromacy



Original Color

47.7121, 46.7643, 7.2212

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.4617, 42.6645, 23.2420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7121, 46.7643, 7.2212 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(230, 173, 21)` looks like.

```
.text, #text, p{  
    color:rgb(230, 173, 21)  
}
```

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(230, 173, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 173, 21) }
```

Border

The CSS property to change the border of an element to XYZ 47.7121, 46.7643, 7.2212 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(230, 173, 21) }
```


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

```
.border{ border-color:rgb(230, 173, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 173, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 173, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 173, 21);  
box-shadow:4px 4px 4px 4px rgb(230, 173,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7121, 46.7643, 7.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 173, 21) }
```

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

```
.background{ background-color: rgb(230,  
173, 21) }
```

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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