

Converting Colors

XYZ(45.1648, 48.7281, 7.0250)

Have a look what the booklet for
XYZ(45.1648, 48.7281, 7.0250)
contains.

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Color

**XYZ(45.1648, 48.7281,
7.0250)**

Conversions

Conversions Part 1

Format	Color
Hex	D7B800
RGB	215, 184, 0
RGB Percent	84%, 72%, 0%
CMY	0.1569, 0.2784, 0.9999
CMYK	0.00, 0.14, 1.00, 0.16
HSL	51°, 100%, 42%
HSV	51°, 100%, 84%
XYZ	45.1648, 48.7281, 7.0250
YIQ	172.2930, 77.5400, -50.6520

Conversions

Conversions Part 2

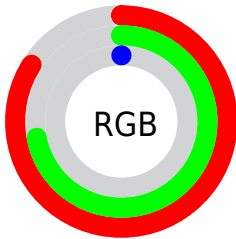
Format	Color
R _Y B	36, 215, 0
Decimal	14137344
CIE Lab	75.28, -3.28, 77.17
CIE LCh	75, 77.237, 92.436
Yxy	48.7281, 0.4475, 0.4828
Android (android.graphics.Color)	4292327424 (0xFFD7B800)
YUV	172.2930, -84.9404, 37.4540
Hunter-Lab	69.8055, -6.6685, 42.8971

Details

The XYZ color **45.1648, 48.7281, 7.0250** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **12.7561, 5.8870, 64.7533**, and the grayscale version is **39.7533, 41.8236, 45.5459**.

A 20% lighter version of the original color is **73.8853, 84.1743, 20.1377**, and **21.7688, 23.4711, 3.3830** is the 20% darker color. If you saturate the color by 10%, you get **45.1652, 48.7293, 7.0252**, and if you desaturate by 10%, it is **45.9570, 50.0885, 7.9808**.

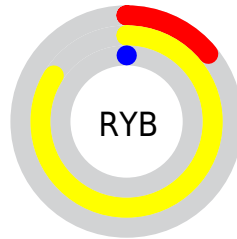
Distribution



Red (84%)

Green (72%)

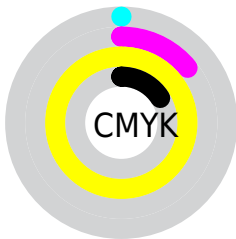
Blue (0%)



Red (14%)

Yellow (84%)

Blue (0%)

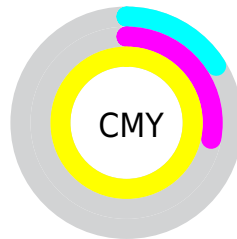


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.1648, 48.7281, 7.0250 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 45.1648, 48.7281, 7.0250 by changing the saturation by 10% instead.

45.1648, 48.7281,
7.0250

45.1648, 48.7281,
7.0250

358.2131,
381.6709, 177.5101

31.7891, 34.4038,
3.3991

82.2032, 88.2875,
20.5372

21.3552, 23.2040,
1.3018

106.5966,
114.2914, 31.2606

13.4978, 14.7442,
0.0633

135.3933,
144.9573, 45.1868

7.8516, 8.6401,
0.0000

168.9585,
180.6697, 62.7344

4.0511, 4.5072,
0.0000

207.6578,
221.8128, 84.3221

1.7311, 1.9611,
0.0000

251.8564,

0.4756, 0.5847,

268.7711, 110.3682

0.0000

301.9197,
321.9290, 141.2913

■ 0.0000, 0.0000,
0.0000

■ 45.1648, 48.7281,
7.0250

■ 45.1648, 48.7281,
7.0250

■ 45.1652, 48.7293,
7.0252

■ 45.9570, 50.0885,
7.9808

■ 46.9184, 51.5373,
9.7621

■ 48.1017, 53.0978,
12.6419

■ 49.5358, 54.7816,
16.7711

■ 51.2448, 56.5985,
22.2770

■ 53.2501, 58.5572,
29.2713

■ 55.5708, 60.6654,
37.8541

■ 58.2242, 62.9303,
48.1168

■ 61.2266, 65.3584,
60.1440

Harmonies

Analogous

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



60.1169, 48.7281, 9.5666



45.1648, 48.7281, 7.0250



33.1715, 48.7281, 10.6660

Triad

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



45.1648, 48.7281, 7.0250



26.8980, 48.7281, 106.9500



74.9457, 48.7281, 98.0323

Complementary

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



45.1648, 48.7281, 7.0250



12.7561, 5.8870, 64.7533

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.



62.5383, 48.7281, 150.0605



45.1648, 48.7281, 7.0250



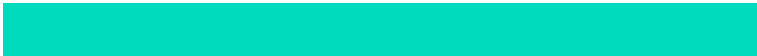
34.8052, 48.7281, 156.7999

Square

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



45.1648, 48.7281, 7.0250



24.0593, 48.7281, 56.4469



47.4837, 48.7281, 175.6198



79.2590, 48.7281, 49.8048

Rectangle

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



45.1648, 48.7281, 7.0250



27.8840, 48.7281, 18.2619



47.4837, 48.7281, 175.6198



71.4737, 48.7281, 116.3468

Sweetspot

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



45.1659, 48.7305, 7.0260



81.6682, 89.1785, 55.2920



28.2886, 14.5531, 2.7036



17.1580, 18.7999, 10.6275



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.



45.1659, 48.7305, 7.0260



66.3730, 71.5261, 10.3077



35.0744, 54.1547, 8.6048



13.3132, 14.2005, 13.2000



27.0746, 29.2665, 4.2220



1.6757, 1.8506, 0.2689

Inverse Universe

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



12.7561, 5.8870, 64.7533



18.7042, 8.5284, 95.2681



15.1880, 6.4131, 64.7267



11.8856, 12.2947, 15.6842



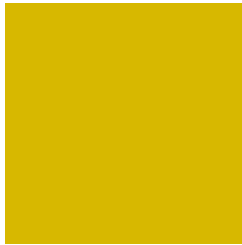
7.6762, 3.6141, 38.7462



0.5103, 0.3127, 2.3528

Previews

White Background



This preview shows how the XYZ color 45.1648, 48.7281, 7.0250 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 45.1648, 48.7281, 7.0250 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 45.1648, 48.7281, 7.0250

Background



This preview shows how black text looks on a background with the XYZ color 45.1648, 48.7281, 7.0250.



This preview shows how white text looks on a background with the XYZ color 45.1648, 48.7281,

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

45.1648, 48.7281, 7.0250

Protanopia

43.8863, 48.6863, 7.2566

Deuteranopia

49.5924, 48.5972, 7.4759



Tritanopia

54.2660, 48.5941, 51.8669

Trichromacy



Original Color

45.1648, 48.7281, 7.0250

Protanomaly

44.2348, 48.5556, 7.1556

Deuteranomaly

47.8713, 48.6002, 7.2384

Tritanomaly

48.5550, 47.7072, 23.4789

Monochromacy



Original Color

45.1648, 48.7281, 7.0250

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0247, 42.8462, 20.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1648, 48.7281, 7.0250 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(215, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(215, 184, 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(215, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 184, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.1648, 48.7281, 7.0250 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(215, 184, 0) }
```


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

```
.border{ border-color:rgb(215, 184, 0) }
```

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

Here you see how a box with a 4 pixel rgb(215, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(215, 184,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1648, 48.7281, 7.0250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 184, 0) }
```

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

```
.background{ background-color: rgb(215,  
184, 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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