

Converting Colors

XYZ(46.6483, 48.6459, 6.9310)

Have a look what the booklet for
XYZ(46.6483, 48.6459, 6.9310)
contains.

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Color

**XYZ(46.6481, 48.5773,
6.9177)**

Conversions

Conversions Part 1

Format	Color
Hex	DEB500
RGB	222, 181, 0
RGB Percent	87%, 71%, 0%
CMY	0.1294, 0.2902, 0.9999
CMYK	0.00, 0.18, 1.00, 0.13
HSL	49°, 100%, 44%
HSV	49°, 100%, 87%
XYZ	46.6481, 48.5773, 6.9177
YIQ	172.6250, 82.5370, -47.5990

Conversions

Conversions Part 2

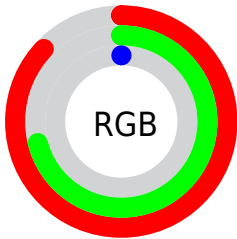
Format	Color
RYB	50, 222, 0
Decimal	14595328
CIELab	75.19, 1.35, 77.41
CIELCh	75, 77.427, 89.002
Yxy	48.5773, 0.4567, 0.4756
Android (android.graphics.Color)	4292785408 (0xFFDEB500)
YUV	172.6250, -85.1041, 43.3019
Hunter-Lab	69.6974, -2.5014, 42.9035

Details

The XYZ color **46.6481, 48.5773, 6.9177** 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 **13.9783, 6.8607, 69.6943**, and the grayscale version is **39.9217, 42.0008, 45.7388**.

A 20% lighter version of the original color is **72.7207, 81.8450, 19.7495**, and **22.7505, 23.3819, 3.3141** is the 20% darker color. If you saturate the color by 10%, you get **46.6484, 48.5783, 6.9179**, and if you desaturate by 10%, it is **47.6420, 50.3304, 7.9738**.

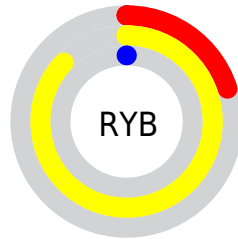
Distribution



Red (87%)

Green (71%)

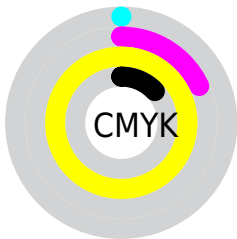
Blue (0%)



Red (20%)

Yellow (87%)

Blue (0%)

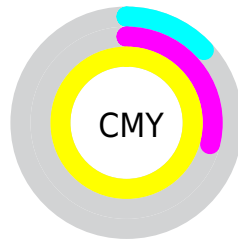


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (29%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6481, 48.5773, 6.9177 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 46.6481, 48.5773, 6.9177 by changing the saturation by 10% instead.

■ 46.6481, 48.5773,
6.9177

■ 46.6481, 48.5773,
6.9177

364.0805,
381.0759, 176.5830

■ 32.9643, 34.2843,
3.3330

■ 84.4101, 88.0633,
20.3175

■ 22.2582, 23.1121,
1.2671

■ 109.2189,
114.0251, 30.9697

■ 14.1644, 14.6763,
0.0346

■ 138.4669,
144.6453, 44.8148

■ 8.3176, 8.5925,
0.0000

■ 172.5193,
180.3083, 62.2714

■ 4.3523, 4.4764,
0.0000

■ 211.7416,
221.3984, 83.7579

■ 1.9033, 1.9434,
0.0000

■ 256.4989,

■ 0.5788, 0.5743,

268.3001, 109.6930

0.0000

307.1568,
321.3978, 140.4952

■ 0.0000, 0.0000,
0.0000

■ 46.6481, 48.5773,
6.9177

■ 46.6481, 48.5773,
6.9177

■ 46.6484, 48.5783,
6.9179

■ 47.6420, 50.3304,
7.9738

■ 48.8283, 52.1981,
9.9259

■ 50.2631, 54.2051,
13.0637

■ 51.9778, 56.3642,
17.5509

■ 53.9986, 58.6864,
23.5255

■ 56.3488, 61.1811,
31.1084

■ 59.0490, 63.8571,
40.4079

■ 62.1183, 66.7221,
51.5230

■ 65.5743, 69.7836,
64.5451

Harmonies

Analogous

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



61.6974, 48.5773, 10.2061



46.6481, 48.5773, 6.9177



34.1653, 48.5773, 9.7583

Triad

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



46.6481, 48.5773, 6.9177



26.1825, 48.5773, 100.5466



73.7319, 48.5773, 104.2074

Complementary

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



46.6481, 48.5773, 6.9177



13.9783, 6.8607, 69.6943

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.



60.7043, 48.5773, 154.9015



46.6481, 48.5773, 6.9177



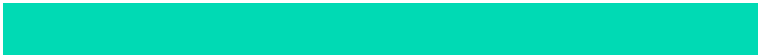
33.4963, 48.5773, 152.1324

Square

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



46.6481, 48.5773, 6.9177



23.9103, 48.5773, 51.5431



45.6977, 48.5773, 175.8118



79.1790, 48.5773, 54.2651

Rectangle

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



46.6481, 48.5773, 6.9177



28.4878, 48.5773, 16.4063



45.6977, 48.5773, 175.8118



69.9782, 48.5773, 122.5039

Sweetspot

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



46.6492, 48.5797, 6.9186



80.7438, 87.3297, 54.9838



30.5867, 15.7149, 3.8451



16.9345, 18.3529, 10.5530



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.



46.6492, 48.5797, 6.9186



63.7737, 66.3274, 9.4412



39.7166, 59.2510, 9.3438



14.6453, 15.5766, 14.5415



27.7844, 29.0067, 4.1345



1.9824, 2.1236, 0.3054

Inverse Universe

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



13.9783, 6.8607, 69.6943



19.0702, 9.2603, 95.3901



15.4732, 6.4539, 69.5370



13.1558, 13.6507, 17.3291



8.3614, 4.1924, 41.4169



0.6400, 0.4114, 2.8909

Previews

White Background



This preview shows how the XYZ color 46.6481, 48.5773, 6.9177 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 46.6481, 48.5773, 6.9177 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 46.6481, 48.5773, 6.9177

Background



This preview shows how black text looks on a background with the XYZ color 46.6481, 48.5773, 6.9177.

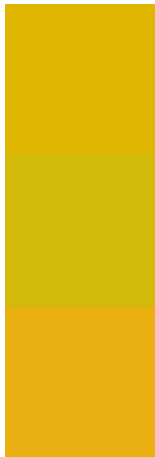


This preview shows how white text looks on a background with the XYZ color 46.6481, 48.5773,

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

46.6481, 48.5773, 6.9177

Protanopia

43.9027, 48.6928, 7.3432

Deuteranopia

49.5582, 48.5836, 7.2959



Tritanopia

55.6218, 48.4973, 50.1454

Trichromacy



Original Color

46.6481, 48.5773, 6.9177

Protanomaly

44.9049, 48.5903, 7.1844

Deuteranomaly

48.6139, 48.6879, 7.1521

Tritanomaly

50.0330, 47.6189, 22.7740

Monochromacy



Original Color

46.6481, 48.5773, 6.9177

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8257, 43.2528, 21.0014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6481, 48.5773, 6.9177 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(222, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 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(222, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.6481, 48.5773, 6.9177 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(222, 181, 0) }
```


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

```
.border{ border-color:rgb(222, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6481, 48.5773, 6.9177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 0) }
```

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

```
.background{ background-color: rgb(222,  
181, 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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