

Converting Colors

XYZ(48.0822, 52.3483, 7.5709)

Have a look what the booklet for
XYZ(48.0822, 52.3483, 7.5709)
contains.

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Color

**XYZ(48.1460, 52.4772,
7.5916)**

Conversions

Conversions Part 1

Format	Color
Hex	DCBF00
RGB	220, 191, 0
RGB Percent	86%, 75%, 0%
CMY	0.1373, 0.2510, 0.9999
CMYK	0.00, 0.13, 1.00, 0.14
HSL	52°, 100%, 43%
HSV	52°, 100%, 86%
XYZ	48.1460, 52.4772, 7.5916
YIQ	177.8970, 78.5950, -53.2530

Conversions

Conversions Part 2

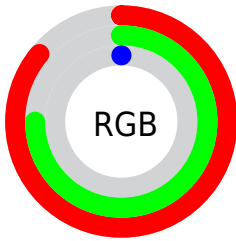
Format	Color
R _Y B	33, 220, 0
Decimal	14466816
CIE Lab	77.57, -4.72, 79.00
CIE LCh	78, 79.144, 93.421
Yxy	52.4772, 0.4449, 0.4849
Android (android.graphics.Color)	4292656896 (0xFFDCBF00)
YUV	177.8970, -87.7032, 36.9243
Hunter-Lab	72.4411, -8.1369, 44.4954

Details

The XYZ color **48.1460, 52.4772, 7.5916** 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 **13.3582, 6.0470, 68.1728**, and the grayscale version is **42.6853, 44.9083, 48.9051**.

A 20% lighter version of the original color is **76.0621, 88.4061, 21.2388**, and **23.5857, 25.6505, 3.7080** is the 20% darker color. If you saturate the color by 10%, you get **48.1464, 52.4783, 7.5917**, and if you desaturate by 10%, it is **48.9308, 53.8151, 8.5686**.

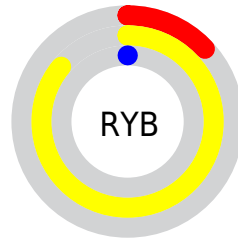
Distribution



Red (86%)

Green (75%)

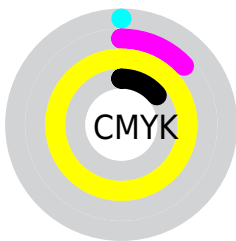
Blue (0%)



Red (13%)

Yellow (86%)

Blue (0%)

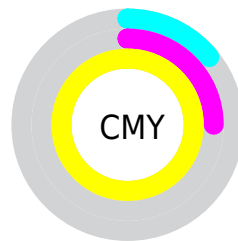


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1460, 52.4772, 7.5916 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 48.1460, 52.4772, 7.5916 by changing the saturation by 10% instead.


 48.1460, 52.4772,
7.5916


 48.1460, 52.4772,
7.5916


369.9435,
396.2761, 182.3060


 34.1543, 37.3856,
3.7508


 86.6301, 93.8346,
21.6866

 23.1756, 25.5062,
1.4896


 111.8532,
120.8692, 32.7779

 14.8446, 16.4546,
0.2102


 141.5508,
152.6536, 47.1231

 8.7960, 9.8464,
0.0000

 176.0882,
189.5722, 65.1406

 4.6644, 5.2972,
0.0000

 215.8308,
232.0093, 87.2492

 2.0845, 2.4227,
0.0000

 261.1440,

 0.6807, 0.8375,

280.3494, 113.8672

0.0000

312.3931,
334.9769, 145.4133

■ 0.0000, 0.0000,
0.0000

■ 48.1460, 52.4772,
7.5916

■ 48.1460, 52.4772,
7.5916

■ 48.1464, 52.4783,
7.5917

■ 48.9308, 53.8151,
8.5686

■ 49.8921, 55.2416,
10.4183

■ 51.0850, 56.7811,
13.4252

■ 52.5400, 58.4458,
17.7495

■ 54.2828, 60.2460,
23.5260

■ 56.3358, 62.1910,
30.8728

■ 58.7193, 64.2888,
39.8959

■ 61.4517, 66.5470,
50.6920

■ 64.5499, 68.9724,
63.3506

Harmonies

Analogous

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



64.2037, 52.4772, 10.1014



48.1460, 52.4772, 7.5916



35.3895, 52.4772, 11.7663

Triad

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



48.1460, 52.4772, 7.5916



29.1644, 52.4772, 117.1031



81.0177, 52.4772, 103.6299

Complementary

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



48.1460, 52.4772, 7.5916



13.3582, 6.0470, 68.1728

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.



67.8629, 52.4772, 159.9948



48.1460, 52.4772, 7.5916



37.8595, 52.4772, 170.1740

Square

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



48.1460, 52.4772, 7.5916



25.9330, 52.4772, 62.3060



51.6511, 52.4772, 188.9090



85.3070, 52.4772, 52.2654

Rectangle

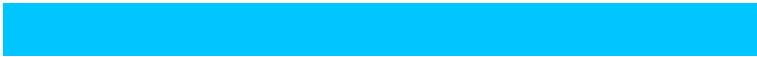
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1460, 52.4772, 7.5916



29.8181, 52.4772, 20.2471



51.6511, 52.4772, 188.9090



77.3701, 52.4772, 123.3344

Sweetspot

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



48.1472, 52.4797, 7.5926



81.9535, 89.7491, 55.3871



29.7414, 15.3065, 2.5723



17.2271, 18.9381, 10.6505



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.



48.1472, 52.4797, 7.5926



67.1996, 73.1793, 10.5832



36.2977, 56.7045, 9.0326



14.0082, 14.9558, 13.8740



28.3158, 30.9171, 4.4752



1.8760, 2.0860, 0.3038

Inverse Universe

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



13.3582, 6.0470, 68.1728



18.6109, 8.3419, 95.2370



16.2845, 6.9030, 68.1838



12.4764, 12.8925, 16.4831



7.8851, 3.6397, 40.0253



0.5568, 0.3278, 2.6084

Previews

White Background



This preview shows how the XYZ color 48.1460, 52.4772, 7.5916 looks on a white background.

Color Contrast Check

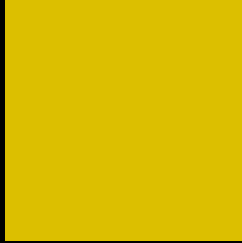
Large Text (above 18pt) WCAG AA × Fail

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 48.1460, 52.4772, 7.5916 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 48.1460, 52.4772, 7.5916

Background



This preview shows how black text looks on a background with the XYZ color 48.1460, 52.4772, 7.5916.

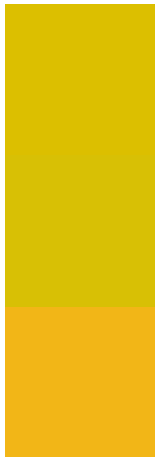


This preview shows how white text looks on a background with the XYZ color 48.1460, 52.4772,

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

48.1460, 52.4772, 7.5916

Protanopia

47.1959, 52.3092, 7.7528

Deuteranopia

53.5006, 52.3950, 8.1041



Tritanopia

58.2794, 52.5913, 56.3697

Trichromacy



Original Color

48.1460, 52.4772, 7.5916

Protanomaly

47.4813, 52.4576, 7.7089

Deuteranomaly

51.3669, 52.2248, 7.8250

Tritanomaly

52.1249, 51.6030, 25.6255

Monochromacy



Original Color

48.1460, 52.4772, 7.5916

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.9064, 46.3967, 22.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1460, 52.4772, 7.5916 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(220, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 191, 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(220, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.1460, 52.4772, 7.5916 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(220, 191, 0) }
```


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

```
.border{ border-color:rgb(220, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(220, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1460, 52.4772, 7.5916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 191, 0) }
```

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

```
.background{ background-color: rgb(220,  
191, 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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