

Converting Colors

XYZ(47.9133, 50.4139, 7.6485)

Have a look what the booklet for
XYZ(47.9133, 50.4139, 7.6485)
contains.

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Color

**XYZ(47.8666, 50.4204,
7.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	DFB90F
RGB	223, 185, 15
RGB Percent	87%, 73%, 6%
CMY	0.1255, 0.2745, 0.9411
CMYK	0.00, 0.17, 0.93, 0.13
HSL	49°, 87%, 47%
HSV	49°, 93%, 87%
XYZ	47.8666, 50.4204, 7.6612
YIQ	176.9820, 77.2180, -44.8140

Conversions

Conversions Part 2

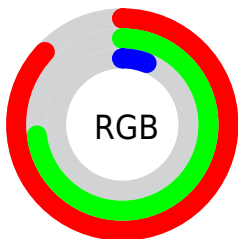
Format	Color
RYB	61, 223, 15
Decimal	14661903
CIELab	76.33, -0.16, 76.62
CIELCh	76, 76.616, 90.117
Yxy	50.4204, 0.4518, 0.4759
Android (android.graphics.Color)	4292851983 (0xFFDFB90F)
YUV	176.9820, -79.8571, 40.3578
Hunter-Lab	71.0073, -3.9346, 43.3081

Details

The XYZ color **47.8666, 50.4204, 7.6612** 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 **14.7899, 7.9763, 70.5715**, and the grayscale version is **42.1605, 44.3562, 48.3039**.

A 20% lighter version of the original color is **74.3750, 84.8425, 21.2604**, and **23.3555, 24.2891, 3.4573** is the 20% darker color. If you saturate the color by 10%, you get **47.2131, 49.2517, 7.0181**, and if you desaturate by 10%, it is **48.9848, 52.2529, 9.2804**.

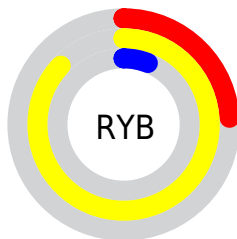
Distribution



Red (87%)

Green (73%)

Blue (6%)



Red (24%)

Yellow (87%)

Blue (6%)

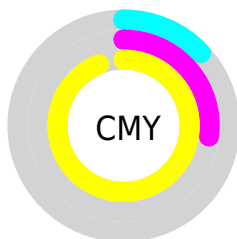


Cyan (0%)

Magenta (17%)

Yellow (93%)

Black (13%)



Cyan (13%)

Magenta (27%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8666, 50.4204, 7.6612 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 47.8666, 50.4204, 7.6612 by changing the saturation by 10% instead.

47.8666, 50.4204,
7.6612

47.8666, 50.4204,
7.6612

368.8545,
388.3077, 182.8842

33.9321, 35.7475,
3.7943

86.2166, 90.7974,
21.8266

23.0041, 24.2393,
1.5132

111.3629,
117.2704, 32.9622

14.7172, 15.5112,
0.2277

140.9771,
148.4456, 47.3578

8.7062, 9.1790,
0.0000

175.4245,
184.7073, 65.4319

4.6056, 4.8581,
0.0000

215.0707,
226.4400, 87.6030

2.0501, 2.1642,
0.0000

260.2808,

0.6619, 0.7004,

274.0280, 114.2898

0.0000

311.4203,
327.8558, 145.9106

■ 0.0000, 0.0000,
0.0000

■ 47.8666, 50.4204,
7.6612

■ 47.8666, 50.4204,
7.6612

■ 47.2131, 49.2517,
7.0181

■ 48.9848, 52.2529,
9.2804

■ 50.3405, 54.2178,
12.0337

■ 51.9687, 56.3314,
16.0997

■ 53.8975, 58.6052,
21.6252

■ 56.1513, 61.0493,
28.7375

■ 58.7516, 63.6728,
37.5498

■ 61.7183, 66.4836,
48.1651

■ 65.0696, 69.4895,
60.6781

■ 68.8222, 72.6975,
75.1771

Harmonies

Analogous

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



63.0787, 50.4204, 10.8609



47.8666, 50.4204, 7.6612



35.3332, 50.4204, 10.9160

Triad

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



47.8666, 50.4204, 7.6612



27.7466, 50.4204, 105.0537



76.1509, 50.4204, 104.6223

Complementary

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



47.8666, 50.4204, 7.6612



14.7899, 7.9763, 70.5715

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.



63.1963, 50.4204, 155.9777



47.8666, 50.4204, 7.6612



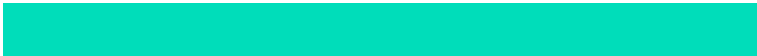
35.4131, 50.4204, 156.3025

Square

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



47.8666, 50.4204, 7.6612



25.2310, 50.4204, 55.0612



47.9796, 50.4204, 178.4440



81.2727, 50.4204, 54.7376

Rectangle

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



47.8666, 50.4204, 7.6612



29.6668, 50.4204, 18.1429



47.9796, 50.4204, 178.4440



72.4550, 50.4204, 123.0305

Sweetspot

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



47.8677, 50.4229, 7.6622



81.5892, 88.1827, 57.8486



31.2482, 16.2883, 4.8827



17.0994, 18.5254, 11.0929



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.



47.8677, 50.4229, 7.6622



63.8980, 66.5761, 9.4827



40.4053, 59.9914, 9.9024



14.6477, 15.5814, 14.5423



27.8375, 29.1129, 4.1522



1.9856, 2.1301, 0.3065

Inverse Universe

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



14.7899, 7.9763, 70.5715



19.0499, 9.2197, 95.3833



16.8730, 7.4136, 70.3531



13.1536, 13.6462, 17.3284



8.3519, 4.1733, 41.4137



0.6389, 0.4093, 2.8906

Previews

White Background



This preview shows how the XYZ color 47.8666, 50.4204, 7.6612 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 47.8666, 50.4204, 7.6612 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 47.8666, 50.4204, 7.6612

Background



This preview shows how black text looks on a background with the XYZ color 47.8666, 50.4204, 7.6612.



This preview shows how white text looks on a background with the XYZ color 47.8666, 50.4204,

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

47.8666, 50.4204, 7.6612

Protanopia

45.7393, 50.5818, 7.8829

Deuteranopia

51.5346, 50.4792, 7.8379



Tritanopia

57.1138, 50.3315, 52.6037

Trichromacy



Original Color

47.8666, 50.4204, 7.6612

Protanomaly

46.6920, 50.7556, 7.8261

Deuteranomaly

50.2544, 50.4219, 7.7455

Tritanomaly

51.6104, 49.5324, 25.5794

Monochromacy



Original Color

47.8666, 50.4204, 7.6612

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.8394, 45.4199, 23.7013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8666, 50.4204, 7.6612 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(223, 185, 15)` looks like.

```
.text, #text, p{  
    color:rgb(223, 185, 15)  
}
```

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(223, 185, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 185, 15) }
```

Border

The CSS property to change the border of an element to XYZ 47.8666, 50.4204, 7.6612 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(223, 185, 15) }
```


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

```
.border{ border-color:rgb(223, 185, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 185, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 185, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 185, 15);  
box-shadow:4px 4px 4px 4px rgb(223, 185,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8666, 50.4204, 7.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 185, 15) }
```

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

```
.background{ background-color: rgb(223,  
185, 15) }
```

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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