

Converting Colors

XYZ(47.6359, 47.1431, 18.5861)

Have a look what the booklet for
XYZ(47.6359, 47.1431, 18.5861)
contains.

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Color

**XYZ(47.4490, 46.9522,
18.6184)**

Conversions

Conversions Part 1

Format	Color
Hex	DDAF64
RGB	221, 175, 100
RGB Percent	87%, 69%, 39%
CMY	0.1333, 0.3137, 0.6078
CMYK	0.00, 0.21, 0.55, 0.13
HSL	37°, 64%, 63%
HSV	37°, 55%, 87%
XYZ	47.4490, 46.9522, 18.6184
YIQ	180.2040, 51.4910, -13.5730

Conversions

Conversions Part 2

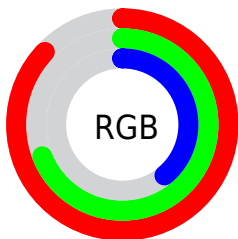
Format	Color
RYB	174, 221, 100
Decimal	14528356
CIELab	74.16, 8.03, 44.44
CIELCh	74, 45.157, 79.763
Yxy	46.9522, 0.4198, 0.4154
Android (android.graphics.Color)	4292718436 (0xFFDDAF64)
YUV	180.2040, -39.5406, 35.7781
Hunter-Lab	68.5217, 3.6924, 31.8552

Details

The XYZ color **47.4490, 46.9522, 18.6184** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.5851, 28.4863, 72.3981**, and the grayscale version is **43.6795, 45.9542, 50.0442**.

A 20% lighter version of the original color is **75.2043, 80.1206, 41.2069**, and **22.7629, 22.1827, 6.0996** is the 20% darker color. If you saturate the color by 10%, you get **44.9368, 43.4138, 13.2006**, and if you desaturate by 10%, it is **50.3553, 50.8147, 25.5997**.

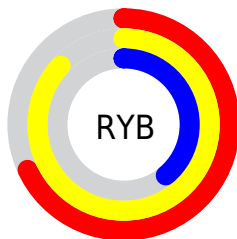
Distribution



Red (87%)

Green (69%)

Blue (39%)



Red (68%)

Yellow (87%)

Blue (39%)

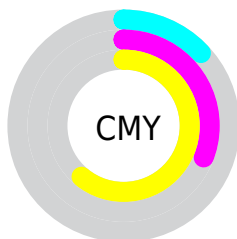


Cyan (0%)

Magenta (21%)

Yellow (55%)

Black (13%)



Cyan (13%)

Magenta (31%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4490, 46.9522, 18.6184 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 47.4490, 46.9522, 18.6184 by changing the saturation by 10% instead.

47.4490, 46.9522,
18.6184

47.4490, 46.9522,
18.6184

367.2230,
374.6237, 256.6861

33.6002, 32.9979,
11.2209

85.5981, 85.6423,
41.9164

22.7480, 22.1248,
6.0996

110.6291,
111.1468, 58.6538

14.5272, 13.9486,
2.8359

140.1183,
141.2702, 79.3417

8.5724, 8.0850,
1.0115

174.4308,
176.3968, 104.3986

4.5182, 4.1494,
0.0000

213.9323,
216.9111, 134.2429

1.9993, 1.7575,
0.0000

258.9878,

0.6336, 0.4604,

263.1974, 169.2932

0.0000

309.9630,
315.6401, 209.9681

■ 0.0000, 0.0000,
0.0000

■ 47.4490, 46.9522,
18.6184

■ 47.4490, 46.9522,
18.6184

■ 44.9368, 43.4138,
13.2006

■ 50.3553, 50.8147,
25.5997

■ 42.7894, 40.1793,
9.2162

■ 53.6755, 55.0065,
34.2549

■ 40.9782, 37.2360,
6.5184

■ 57.4318, 59.5412,
44.6874

■ 39.4671, 34.5666,
4.9271

■ 61.6437, 64.4293,
56.9915

■ 38.7633, 33.2614,
4.3770

■ 66.3294, 69.6807,
71.2548

■ 71.5059, 75.3048,
87.5594

■ 77.1895, 81.3106,
105.9824

■ 79.6836, 86.2221,
107.0505

■ 82.2447, 91.3441,
107.9042

Harmonies

Analogous

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



55.4488, 46.9522, 24.0968



47.4490, 46.9522, 18.6184



39.5705, 46.9522, 19.6121

Triad

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



47.4490, 46.9522, 18.6184



31.5288, 46.9522, 67.7157



57.5868, 46.9522, 85.6407

Complementary

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



47.4490, 46.9522, 18.6184



28.5851, 28.4863, 72.3981

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.



50.0961, 46.9522, 105.5597



47.4490, 46.9522, 18.6184



35.3131, 46.9522, 93.2336

Square

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



47.4490, 46.9522, 18.6184



31.0014, 46.9522, 43.6064



41.9185, 46.9522, 108.6952



61.7530, 46.9522, 59.4571

Rectangle

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



47.4490, 46.9522, 18.6184



35.3976, 46.9522, 23.9533



41.9185, 46.9522, 108.6952



55.3347, 46.9522, 93.5882

Sweetspot

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



47.4501, 46.9545, 18.6193



84.4136, 88.1462, 76.3172



39.5943, 26.5741, 30.3936



17.8019, 18.5610, 15.5488



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.



47.4501, 46.9545, 18.6193



61.5845, 59.2161, 17.1367



53.8562, 65.8814, 21.9350



13.7248, 14.3890, 13.7796



22.6308, 19.5472, 2.5802



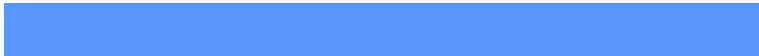
1.5483, 1.4307, 0.1945

Inverse Universe

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



28.5851, 28.4863, 72.3981



32.9668, 31.2603, 98.9041



24.5633, 17.9205, 70.5707



12.7423, 13.4244, 16.5717



9.5247, 6.9189, 40.5719



0.6986, 0.6114, 2.6556

Previews

White Background



This preview shows how the XYZ color 47.4490, 46.9522, 18.6184 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 47.4490, 46.9522, 18.6184 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 47.4490, 46.9522, 18.6184

Background



This preview shows how black text looks on a background with the XYZ color 47.4490, 46.9522, 18.6184.



This preview shows how white text looks on a background with the XYZ color 47.4490, 46.9522,

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

47.4490, 46.9522, 18.6184

Protanopia

43.4691, 47.2638, 19.6637

Deuteranopia

47.8677, 46.8802, 18.5825



Tritanopia

53.7678, 47.0211, 48.8899

Trichromacy



Original Color

47.4490, 46.9522, 18.6184

Protanomaly

44.7320, 47.0117, 19.2869

Deuteranomaly

47.5605, 46.7218, 18.5681

Tritanomaly

50.7443, 46.5855, 35.1715

Monochromacy



Original Color

47.4490, 46.9522, 18.6184

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.0120, 45.6773, 35.7751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4490, 46.9522, 18.6184 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(221, 175, 100)` looks like.

```
.text, #text, p{  
    color:rgb(221, 175, 100)  
}
```

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(221, 175, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 175, 100) }
```

Border

The CSS property to change the border of an element to XYZ 47.4490, 46.9522, 18.6184 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(221, 175, 100) }
```


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

```
.border{ border-color:rgb(221, 175, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 175, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 175, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 175, 100);  
box-shadow:4px 4px 4px 4px rgb(221, 175,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4490, 46.9522, 18.6184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 175, 100) }
```

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

```
.background{ background-color: rgb(221,  
175, 100) }
```

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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