

Converting Colors

XYZ(47.8666, 47.0745, 19.6872)

Have a look what the booklet for
XYZ(47.8666, 47.0745, 19.6872)
contains.

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Color

**XYZ(47.9529, 47.1890,
19.6777)**

Conversions

Conversions Part 1

Format	Color
Hex	DEAF68
RGB	222, 175, 104
RGB Percent	87%, 69%, 41%
CMY	0.1294, 0.3137, 0.5921
CMYK	0.00, 0.21, 0.53, 0.13
HSL	36°, 64%, 64%
HSV	36°, 53%, 87%
XYZ	47.9529, 47.1890, 19.6777
YIQ	180.9590, 50.8030, -12.1170

Conversions

Conversions Part 2

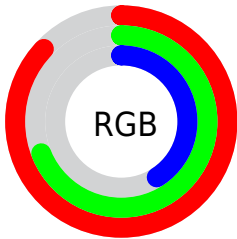
Format	Color
R_{YB}	182, 222, 104
Decimal	14593896
CIE _{Lab}	74.31, 8.77, 42.63
CIE _{LCh}	74, 43.526, 78.372
Yxy	47.1890, 0.4176, 0.4110
Android (android.graphics.Color)	4292783976 (0xFFDEAF68)
YUV	180.9590, -37.9408, 35.9930
Hunter-Lab	68.6943, 4.3893, 31.1022

Details

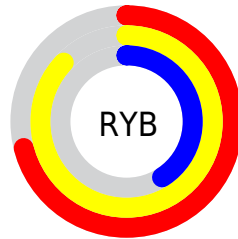
The XYZ color **47.9529, 47.1890, 19.6777** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.9599, 30.3491, 73.3860**, and the grayscale version is **44.0793, 46.3748, 50.5022**.

A 20% lighter version of the original color is **75.6226, 80.2879, 43.4097**, and **23.0587, 22.3248, 6.5838** is the 20% darker color. If you saturate the color by 10%, you get **45.3057, 43.4680, 13.9455**, and if you desaturate by 10%, it is **51.0119, 51.2587, 27.0124**.

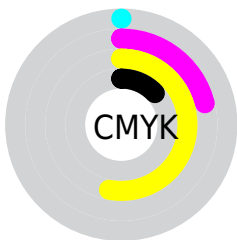
Distribution



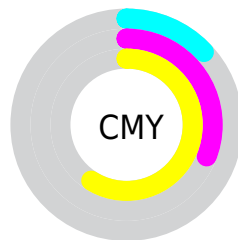
- Red (87%)
- Green (69%)
- Blue (41%)



- Red (71%)
- Yellow (87%)
- Blue (41%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (13%)



- Cyan (13%)
- Magenta (31%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9529, 47.1890, 19.6777 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 47.9529, 47.1890, 19.6777 by changing the saturation by 10% instead.

47.9529, 47.1890,
19.6777

47.9529, 47.1890,
19.6777

369.1911,
375.5684, 262.7112

34.0007, 33.1851,
11.9792

86.3444, 85.9957,
43.7280

23.0570, 22.2683,
6.6072

111.5144,
111.5672, 60.9169

14.7565, 14.0542,
3.1430

141.1543,
141.7634, 82.1064

8.7339, 8.1583,
1.1681

175.6296,
176.9687, 107.7150

4.6237, 4.1964,
0.0000

215.3056,
217.5675, 138.1612

2.0607, 1.7840,
0.0000

260.5476,

0.6677, 0.4772,

263.9441, 173.8636

0.0000

311.7210,
316.4829, 215.2408

■ 0.0000, 0.0000,
0.0000

■ 47.9529, 47.1890,
19.6777

■ 47.9529, 47.1890,
19.6777

■ 45.3057, 43.4680,
13.9455

■ 51.0119, 51.2587,
27.0124

■ 43.0410, 40.0750,
9.6868

■ 54.5025, 55.6828,
36.0594

■ 41.1300, 36.9969,
6.7569

■ 58.4474, 60.4755,
46.9219

■ 39.5374, 34.2158,
4.9800

■ 62.8661, 65.6478,
59.6942

■ 38.5921, 32.4654,
4.2324

■ 67.7772, 71.2101,
74.4640

■ 73.1981, 77.1725,
91.3134

■ 78.4281, 83.2575,
106.5445

■ 81.0500, 88.5013,
107.4184

■ 83.7998, 94.0009,
108.3350

Harmonies

Analogous

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



55.6067, 47.1890, 25.4343



47.9529, 47.1890, 19.6777



40.2748, 47.1890, 20.3778

Triad

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



47.9529, 47.1890, 19.6777



32.0350, 47.1890, 66.1936



57.0637, 47.1890, 85.6475

Complementary

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



47.9529, 47.1890, 19.6777



29.9599, 30.3491, 73.3860

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.



49.7629, 47.1890, 104.0798



47.9529, 47.1890, 19.6777



35.5814, 47.1890, 90.7865

Square

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



47.9529, 47.1890, 19.6777



31.6704, 47.1890, 43.1765



41.8872, 47.1890, 106.1945



61.2609, 47.1890, 60.5636

Rectangle

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



47.9529, 47.1890, 19.6777



36.1454, 47.1890, 24.4624



41.8872, 47.1890, 106.1945



54.8545, 47.1890, 93.1054

Sweetspot

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



47.9540, 47.1913, 19.6786



84.1968, 87.7125, 76.2449



40.6769, 27.6715, 32.5611



17.7501, 18.4574, 15.5316



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.



47.9540, 47.1913, 19.6786



61.5773, 58.8577, 18.1946



55.2554, 66.9730, 23.1121



14.3898, 15.0656, 14.4563



23.0344, 19.5068, 2.5511



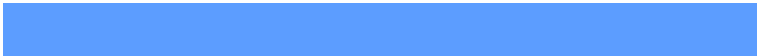
1.6834, 1.5257, 0.2058

Inverse Universe

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



29.9599, 30.3491, 73.3860



34.4662, 33.5301, 99.2631



25.3115, 18.8744, 71.4162



13.3978, 14.1346, 17.4098



10.0263, 7.5222, 41.9719



0.7807, 0.6930, 2.9378

Previews

White Background



This preview shows how the XYZ color 47.9529, 47.1890, 19.6777 looks on a white background.

Color Contrast Check

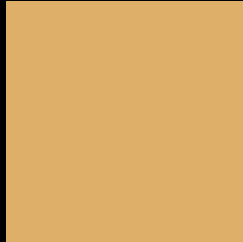
Large Text (above 18pt) WCAG AA × Fail

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 47.9529, 47.1890, 19.6777 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 47.9529, 47.1890, 19.6777

Background



This preview shows how black text looks on a background with the XYZ color 47.9529, 47.1890, 19.6777.



This preview shows how white text looks on a background with the XYZ color 47.9529, 47.1890,

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

47.9529, 47.1890, 19.6777

Protanopia

43.6747, 47.3460, 20.7467

Deuteranopia

48.2601, 47.3474, 19.6921



Tritanopia

54.0860, 47.1851, 48.9048

Trichromacy



Original Color

47.9529, 47.1890, 19.6777

Protanomaly

45.2173, 47.2384, 20.3704

Deuteranomaly

48.2601, 47.3474, 19.6921

Tritanomaly

51.2195, 46.8117, 36.0418

Monochromacy



Original Color

47.9529, 47.1890, 19.6777

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.6348, 46.2759, 36.7166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9529, 47.1890, 19.6777 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, 175, 104)` looks like.

```
.text, #text, p{  
    color:rgb(222, 175, 104)  
}
```

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, 175, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 175, 104) }
```

Border

The CSS property to change the border of an element to XYZ 47.9529, 47.1890, 19.6777 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, 175, 104) }
```


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

```
.border{ border-color:rgb(222, 175, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 175, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 175, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 175, 104);  
box-shadow:4px 4px 4px 4px rgb(222, 175,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9529, 47.1890, 19.6777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 175, 104) }
```

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

```
.background{ background-color: rgb(222,  
175, 104) }
```

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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