

Converting Colors

XYZ(47.2335, 45.1265, 19.9203)

Have a look what the booklet for
XYZ(47.2335, 45.1265, 19.9203)
contains.

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Color

**XYZ(47.2209, 45.1045,
19.8529)**

Conversions

Conversions Part 1

Format	Color
Hex	DFA96A
RGB	223, 169, 106
RGB Percent	87%, 66%, 42%
CMY	0.1255, 0.3372, 0.5843
CMYK	0.00, 0.24, 0.52, 0.13
HSL	32°, 65%, 65%
HSV	32°, 52%, 87%
XYZ	47.2209, 45.1045, 19.8529
YIQ	177.9640, 52.4070, -8.1450

Conversions

Conversions Part 2

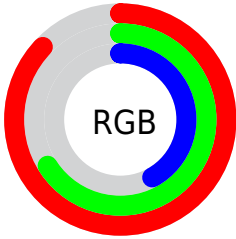
Format	Color
R _Y B	206, 223, 106
Decimal	14657898
CIE Lab	72.96, 12.56, 39.97
CIE LCh	73, 41.896, 72.562
Yxy	45.1045, 0.4209, 0.4021
Android (android.graphics.Color)	4292847978 (0xFFDFA96A)
YUV	177.9640, -35.4783, 39.4966
Hunter-Lab	67.1599, 7.9756, 29.4854

Details

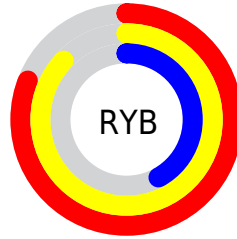
The XYZ color **47.2209, 45.1045, 19.8529** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.8334, 33.5321, 74.6063**, and the grayscale version is **42.4612, 44.6725, 48.6483**.

A 20% lighter version of the original color is **74.0672, 77.0399, 43.3142**, and **22.6169, 21.0173, 6.7356** is the 20% darker color. If you saturate the color by 10%, you get **44.3690, 41.0216, 13.9059**, and if you desaturate by 10%, it is **50.5272, 49.6138, 27.4398**.

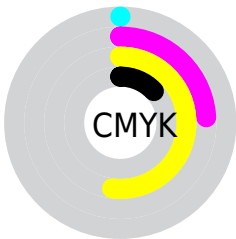
Distribution



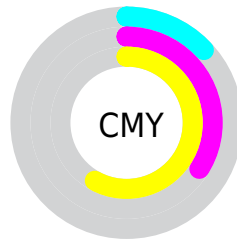
- Red (87%)
- Green (66%)
- Blue (42%)



- Red (81%)
- Yellow (87%)
- Blue (42%)



- Cyan (0%)
- Magenta (24%)
- Yellow (52%)
- Black (13%)



- Cyan (13%)
- Magenta (34%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2209, 45.1045, 19.8529 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 47.2209, 45.1045, 19.8529 by changing the saturation by 10% instead.

47.2209, 45.1045,
19.8529

47.2209, 45.1045,
19.8529

366.3298,
367.1966, 263.6955

33.4190, 31.5397,
12.1051

85.2600, 82.8772,
44.0261

22.6084, 21.0102,
6.6919

110.2279,
107.8539, 61.2887

14.4237, 13.1315,
3.1947

139.6485,
137.4035, 82.5600

8.4996, 7.5191,
1.1949

173.8872,
171.9102, 108.2585

4.4707, 3.7888,
0.0000

213.3093,
211.7584, 138.8027

1.9717, 1.5561,
0.0000

258.2802,

0.6180, 0.3278,

257.3327, 174.6113

0.0000

309.1653,
309.0173, 216.1027

■ 0.0000, 0.0000,
0.0000

■ 47.2209, 45.1045,
19.8529

■ 47.2209, 45.1045,
19.8529

■ 44.3690, 41.0216,
13.9059

■ 50.5272, 49.6138,
27.4398

■ 41.9409, 37.3420,
9.4691

■ 54.3094, 54.5583,
36.7773

■ 39.9066, 34.0499,
6.3973

■ 58.5911, 59.9541,
47.9696

■ 38.2294, 31.1246,
4.5150

■ 63.3933, 65.8149,
61.1118

■ 37.1582, 29.1417,
3.6665

■ 68.7358, 72.1533,
76.2925

■ 74.6370, 78.9814,
93.5949

■ 79.9499, 85.8451,
106.9637

■ 83.0836, 92.1126,
108.0083

■ 84.2413, 94.4279,
108.3942

Harmonies

Analogous

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



54.0757, 45.1045, 26.6099



47.2209, 45.1045, 19.8529



39.8863, 45.1045, 19.3724

Triad

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



47.2209, 45.1045, 19.8529



30.5655, 45.1045, 58.3944



53.0949, 45.1045, 85.1163

Complementary

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



47.2209, 45.1045, 19.8529



31.8334, 33.5321, 74.6063

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.



46.0000, 45.1045, 99.7953



47.2209, 45.1045, 19.8529



33.3310, 45.1045, 81.6707

Square

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



47.2209, 45.1045, 19.8529



30.8131, 45.1045, 38.0113



38.7958, 45.1045, 98.3804



57.7228, 45.1045, 62.1854

Rectangle

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



47.2209, 45.1045, 19.8529



35.7435, 45.1045, 22.4022



38.7958, 45.1045, 98.3804



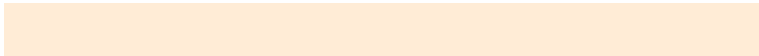
50.8869, 45.1045, 91.4369

Sweetspot

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



47.2220, 45.1067, 19.8538



83.4479, 86.2147, 75.9953



41.9834, 28.5555, 36.8330



17.5714, 18.1001, 15.4720



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.



47.2220, 45.1067, 19.8538



59.7717, 55.0657, 18.1506



58.2326, 68.8913, 23.8644



14.3155, 14.9171, 14.4316



21.9629, 17.3638, 2.1940



1.6117, 1.3822, 0.1818

Inverse Universe

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



31.8334, 33.5321, 74.6063



36.7952, 37.8044, 99.9654



24.8917, 18.9449, 72.1566



13.4707, 14.2805, 17.4341



10.7888, 9.0472, 42.2260



0.8367, 0.8048, 2.9565

Previews

White Background



This preview shows how the XYZ color 47.2209, 45.1045, 19.8529 looks on a white background.

Color Contrast Check

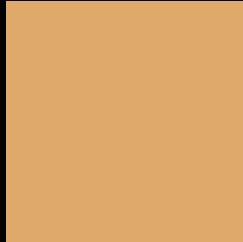
Large Text (above 18pt) WCAG AA × Fail

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 47.2209, 45.1045, 19.8529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

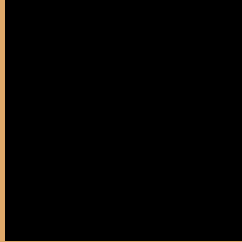
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2209, 45.1045, 19.8529

Background



This preview shows how black text looks on a background with the XYZ color 47.2209, 45.1045, 19.8529.



This preview shows how white text looks on a background with the XYZ color 47.2209, 45.1045,

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

47.2209, 45.1045, 19.8529

Protanopia

41.6995, 45.1018, 21.2596

Deuteranopia

46.0779, 45.0719, 19.9068



Tritanopia

52.6008, 45.1649, 45.4805

Trichromacy



Original Color

47.2209, 45.1045, 19.8529

Protanomaly

43.5439, 44.8859, 20.8368

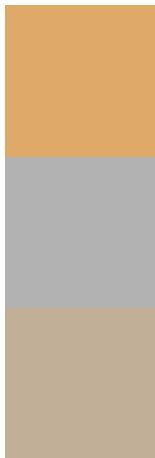
Deuteranomaly

46.4914, 45.0057, 19.8723

Tritanomaly

50.3788, 45.0517, 34.4744

Monochromacy



Original Color

47.2209, 45.1045, 19.8529

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.2456, 44.3963, 35.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2209, 45.1045, 19.8529 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, 169, 106)` looks like.

```
.text, #text, p{  
    color:rgb(223, 169, 106)  
}
```

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, 169, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 169, 106) }
```

Border

The CSS property to change the border of an element to XYZ 47.2209, 45.1045, 19.8529 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, 169, 106) }
```


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

```
.border{ border-color:rgb(223, 169, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 169, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 169, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 169, 106);  
box-shadow:4px 4px 4px 4px rgb(223, 169,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2209, 45.1045, 19.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 169, 106) }
```

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

```
.background{ background-color: rgb(223,  
169, 106) }
```

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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