

Converting Colors

XYZ(47.7281, 49.3251, 23.3370)

Have a look what the booklet for
XYZ(47.7281, 49.3251, 23.3370)
contains.

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Color

**XYZ(47.7596, 49.4009,
23.2378)**

Conversions

Conversions Part 1

Format	Color
Hex	D6B773
RGB	214, 183, 115
RGB Percent	84%, 72%, 45%
CMY	0.1608, 0.2823, 0.5490
CMYK	0.00, 0.14, 0.46, 0.16
HSL	41°, 55%, 65%
HSV	41°, 46%, 84%
XYZ	47.7596, 49.4009, 23.2378
YIQ	184.5170, 40.3040, -14.5760

Conversions

Conversions Part 2

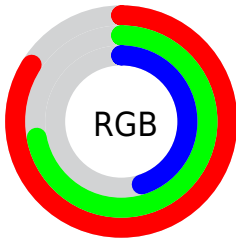
Format	Color
RYB	160, 214, 115
Decimal	14071667
CIELab	75.70, 2.25, 38.58
CIELCh	76, 38.649, 86.666
Yxy	49.4009, 0.3967, 0.4103
Android (android.graphics.Color)	4292261747 (0xFFD6B773)
YUV	184.5170, -34.2719, 25.8566
Hunter-Lab	70.2858, -1.7083, 29.5977

Details

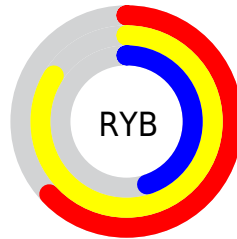
The XYZ color **47.7596, 49.4009, 23.2378** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.4865, 29.0568, 67.6728**, and the grayscale version is **46.0154, 48.4118, 52.7204**.

A 20% lighter version of the original color is **79.1744, 85.8202, 49.4378**, and **22.8414, 23.5150, 8.3360** is the 20% darker color. If you saturate the color by 10%, you get **45.3194, 46.2678, 17.0383**, and if you desaturate by 10%, it is **50.5539, 52.7846, 30.9666**.

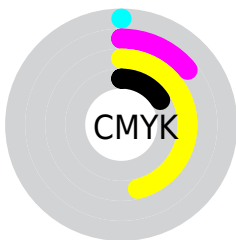
Distribution



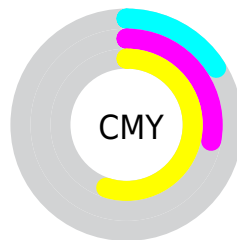
- Red (84%)
- Green (72%)
- Blue (45%)



- Red (63%)
- Yellow (84%)
- Blue (45%)



- Cyan (0%)
- Magenta (14%)
- Yellow (46%)
- Black (16%)





- Cyan (16%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7596, 49.4009, 23.2378 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 47.7596, 49.4009, 23.2378 by changing the saturation by 10% instead.


 47.7596, 49.4009,
23.2378


 47.7596, 49.4009,
23.2378


368.4369,
384.3184, 282.1054

 33.8470, 34.9376,
14.5622


 86.0582, 89.2866,
49.7116

 22.9384, 23.6148,
8.3695


 111.1750,
115.4778, 68.3470

 14.6685, 15.0481,
4.2412


 140.7572,
146.3470, 91.1394

 8.6719, 8.8532,
1.7586

175.1701,
182.2788, 118.5073

 4.5832, 4.6455,
0.4004

214.7792,
223.6574, 150.8693

 2.0370, 2.0408,
0.0000

259.9498,

 0.6546, 0.6310,

270.8673, 188.6440

0.0000

311.0473,
324.2928, 232.2499

■ 0.0000, 0.0000,
0.0000

■ 47.7596, 49.4009,
23.2378

■ 47.7596, 49.4009,
23.2378

■ 45.3194, 46.2678,
17.0383

■ 50.5539, 52.7846,
30.9666

■ 43.2087, 43.3684,
12.2591

■ 53.7176, 56.4210,
40.3176

■ 41.4052, 40.6943,
8.7816


■ 57.2695, 60.3207,
51.3797

■ 39.8813, 38.2328,
6.4663


■ 61.2260, 64.4916,
64.2344


■ 38.6030, 35.9689,
5.1379

■ 65.6022, 68.9413,
78.9581

 38.1653, 35.1637,
4.7757

 70.4126, 73.6767,
95.6226

 74.0520, 78.0571,
105.7713

 75.9516, 81.8562,
106.4045

 77.9236, 85.8002,
107.0618

Harmonies

Analogous

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



54.9368, 49.4009, 27.1050



47.7596, 49.4009, 23.2378



41.0399, 49.4009, 25.6782

Triad

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



47.7596, 49.4009, 23.2378



35.6897, 49.4009, 73.5057



59.4274, 49.4009, 78.5078

Complementary

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



47.7596, 49.4009, 23.2378



29.4865, 29.0568, 67.6728

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.



53.4108, 49.4009, 97.3013



47.7596, 49.4009, 23.2378



39.7847, 49.4009, 93.9353

Square

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



47.7596, 49.4009, 23.2378



34.5023, 49.4009, 51.5277



46.1577, 49.4009, 103.5609



62.0903, 49.4009, 56.1158

Rectangle

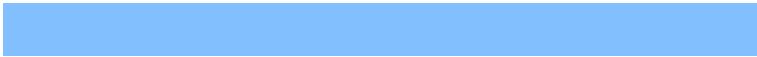
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.7596, 49.4009, 23.2378



37.6312, 49.4009, 31.0063



46.1577, 49.4009, 103.5609



57.7020, 49.4009, 85.6543

Sweetspot

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



47.7608, 49.4032, 23.2388



86.3632, 90.9852, 80.2352



39.0782, 28.6444, 30.8070



18.2221, 19.1928, 16.3322



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.



47.7608, 49.4032, 23.2388



67.2945, 68.6717, 25.0958



49.8673, 61.0467, 25.3752



13.1296, 13.8335, 13.1388



23.1652, 21.4477, 2.9189



1.4697, 1.4385, 0.2002

Inverse Universe

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



29.4865, 29.0568, 67.6728



36.7990, 34.7608, 99.3777



27.9654, 22.1159, 66.4132



12.0567, 12.6368, 15.7412



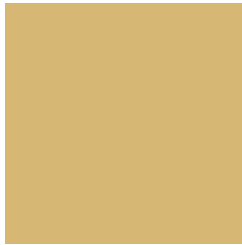
8.6320, 5.5257, 39.0648



0.5938, 0.4797, 2.3806

Previews

White Background



This preview shows how the XYZ color 47.7596, 49.4009, 23.2378 looks on a white background.

Color Contrast Check

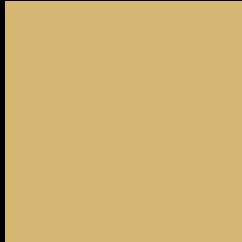
Large Text (above 18pt) WCAG AA × Fail

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 47.7596, 49.4009, 23.2378 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 47.7596, 49.4009, 23.2378

Background



This preview shows how black text looks on a background with the XYZ color 47.7596, 49.4009, 23.2378.



This preview shows how white text looks on a background with the XYZ color 47.7596, 49.4009,

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

47.7596, 49.4009, 23.2378

Protanopia

45.8245, 49.6390, 23.6891

Deuteranopia

50.4368, 49.2705, 23.3748



Tritanopia

54.0319, 49.2751, 54.2402

Trichromacy



Original Color

47.7596, 49.4009, 23.2378

Protanomaly

46.7237, 49.7887, 23.6706

Deuteranomaly

49.5978, 49.4331, 23.4504

Tritanomaly

51.0686, 48.9229, 40.4697

Monochromacy



Original Color

47.7596, 49.4009, 23.2378

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2506, 48.5548, 40.1921

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7596, 49.4009, 23.2378 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(214, 183, 115)` looks like.

```
.text, #text, p{  
    color:rgb(214, 183, 115)  
}
```

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(214, 183, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 183, 115) }
```

Border

The CSS property to change the border of an element to XYZ 47.7596, 49.4009, 23.2378 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(214, 183, 115) }
```


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

```
.border{ border-color:rgb(214, 183, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 183, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 183, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 183, 115);  
box-shadow:4px 4px 4px 4px rgb(214, 183,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7596, 49.4009, 23.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 183, 115) }
```

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

```
.background{ background-color: rgb(214,  
183, 115) }
```

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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