

Converting Colors

XYZ(46.7698, 48.2826, 23.0741)

Have a look what the booklet for
XYZ(46.7698, 48.2826, 23.0741)
contains.

XYZ(46.7698, 48.2826, 23.0741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.7698, 48.2826,
23.0741)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B573
RGB	212, 181, 115
RGB Percent	83%, 71%, 45%
CMY	0.1686, 0.2902, 0.5490
CMYK	0.00, 0.15, 0.46, 0.17
HSL	41°, 53%, 64%
HSV	41°, 46%, 83%
XYZ	46.7698, 48.2826, 23.0741
YIQ	182.7450, 39.6620, -13.9540

Conversions

Conversions Part 2

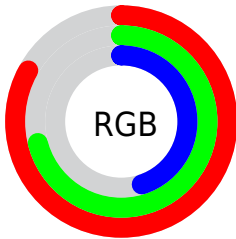
Format	Color
R_{YB}	161, 212, 115
Decimal	13940083
CIE Lab	75.00, 2.49, 37.66
CIE LCh	75, 37.745, 86.221
Yxy	48.2826, 0.3959, 0.4087
Android (android.graphics.Color)	4292130163 (0xFFD4B573)
YUV	182.7450, -33.3983, 25.6566
Hunter-Lab	69.4857, -1.4542, 28.9516

Details

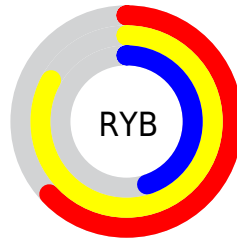
The XYZ color **46.7698, 48.2826, 23.0741** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.2325, 28.9551, 66.3355**, and the grayscale version is **45.0330, 47.3782, 51.5949**.

A 20% lighter version of the original color is **78.5921, 84.6555, 49.2437**, and **22.1909, 22.7886, 8.2301** is the 20% darker color. If you saturate the color by 10%, you get **44.3436, 45.1632, 16.9234**, and if you desaturate by 10%, it is **49.5459, 51.6527, 30.7265**.

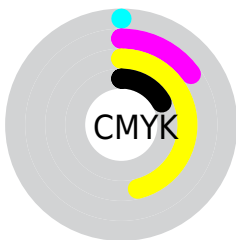
Distribution



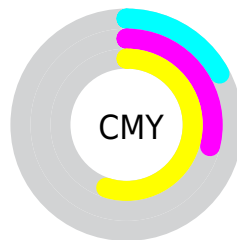
- Red (83%)
- Green (71%)
- Blue (45%)



- Red (63%)
- Yellow (83%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (46%)
- Black (17%)



- Cyan (17%)
- Magenta (29%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7698, 48.2826, 23.0741 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 46.7698, 48.2826, 23.0741 by changing the saturation by 10% instead.

■ 46.7698, 48.2826,
23.0741

■ 46.7698, 48.2826,
23.0741

364.5592,
379.9112, 281.2396

■ 33.0609, 34.0507,
14.4424

■ 84.5907, 87.6250,
49.4397

■ 22.3326, 22.9326,
8.2868

■ 109.4335,
113.5044, 68.0107

■ 14.2194, 14.5437,
4.1886

■ 138.7182,
144.0350, 90.7319

■ 8.3562, 8.4998,
1.7294

172.8103,
179.6013, 118.0218

■ 4.3774, 4.4164,
0.3807

212.0751,
220.5877, 150.2990

■ 1.9178, 1.9091,
0.0000

256.8779,

■ 0.5871, 0.5538,

267.3785, 187.9820

0.0000

307.5842,
320.3582, 231.4894

■ 0.0000, 0.0000,
0.0000

■ 46.7698, 48.2826,
23.0741

■ 46.7698, 48.2826,
23.0741

■ 44.3436, 45.1632,
16.9234

■ 49.5459, 51.6527,
30.7265

■ 42.2434, 42.2780,
12.1684

■ 52.6868, 55.2757,
39.9709

■ 40.4473, 39.6187,
8.6940


■ 56.2110, 59.1620,
50.8939


■ 38.9288, 37.1729,
6.3652


■ 60.1344, 63.3196,
63.5748


■ 37.6553, 34.9261,
5.0153


■ 64.4718, 67.7556,
78.0881

 37.1638, 34.0218,
4.6081

 69.2373, 72.4771,
94.5038

 73.0618, 76.9379,
105.6075

 74.9667, 80.7477,
106.2424

 76.9455, 84.7054,
106.9020

Harmonies

Analogous

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



53.6578, 48.2826, 26.9214



46.7698, 48.2826, 23.0741



40.2832, 48.2826, 25.3524

Triad

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



46.7698, 48.2826, 23.0741



35.0032, 48.2826, 71.1798



57.8066, 48.2826, 76.6130

Complementary

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



46.7698, 48.2826, 23.0741



29.2325, 28.9551, 66.3355

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.



51.9968, 48.2826, 94.4810



46.7698, 48.2826, 23.0741



38.9127, 48.2826, 90.8329

Square

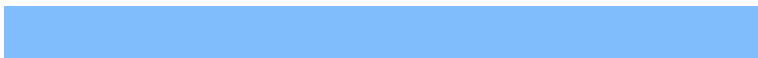
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.7698, 48.2826, 23.0741



33.9010, 48.2826, 50.1105



45.0236, 48.2826, 100.2436



60.4198, 48.2826, 55.1119

Rectangle

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



46.7698, 48.2826, 23.0741



36.9753, 48.2826, 30.4483



45.0236, 48.2826, 100.2436



56.1361, 48.2826, 83.4328

Sweetspot

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



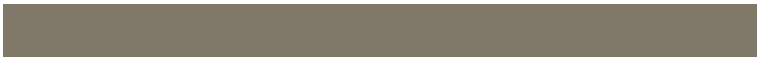
46.7710, 48.2849, 23.0751



86.2939, 90.8467, 80.2121



38.5751, 28.3761, 31.1856



18.2052, 19.1589, 16.3265



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.



46.7710, 48.2849, 23.0751



67.4124, 68.6766, 25.8472



49.3598, 60.0383, 25.2073



13.1227, 13.8196, 13.1365



23.0370, 21.1912, 2.8761



1.4627, 1.4245, 0.1979

Inverse Universe

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



29.2325, 28.9551, 66.3355



37.5829, 35.8390, 99.5445



27.4008, 21.8541, 65.0614



12.0633, 12.6500, 15.7434



8.6833, 5.6284, 39.0819



0.5976, 0.4871, 2.3818

Previews

White Background



This preview shows how the XYZ color 46.7698, 48.2826, 23.0741 looks on a white background.

Color Contrast Check

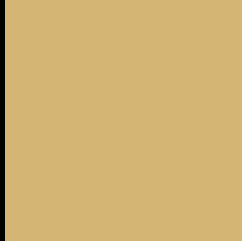
Large Text (above 18pt) WCAG AA × Fail

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 46.7698, 48.2826, 23.0741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

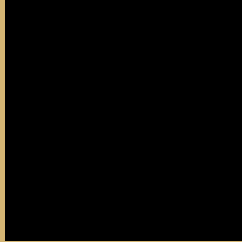
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7698, 48.2826, 23.0741

Background



This preview shows how black text looks on a background with the XYZ color 46.7698, 48.2826, 23.0741.



This preview shows how white text looks on a background with the XYZ color 46.7698, 48.2826,

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

46.7698, 48.2826, 23.0741

Protanopia

44.5887, 48.3764, 23.5105

Deuteranopia

49.3060, 48.3932, 23.2651



Tritanopia

52.8289, 48.1103, 52.9562

Trichromacy



Original Color

46.7698, 48.2826, 23.0741

Protanomaly

45.4697, 48.5211, 23.4920

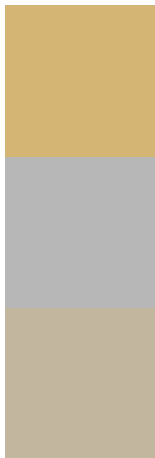
Deuteranomaly

48.2862, 48.1618, 23.2742

Tritanomaly

49.9940, 47.7969, 39.8485

Monochromacy



Original Color

46.7698, 48.2826, 23.0741

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.1476, 47.3939, 39.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7698, 48.2826, 23.0741 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(212, 181, 115)` looks like.

```
.text, #text, p{  
    color:rgb(212, 181, 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(212, 181, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 181, 115) }
```

Border

The CSS property to change the border of an element to XYZ 46.7698, 48.2826, 23.0741 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(212, 181, 115) }
```


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

```
.border{ border-color:rgb(212, 181, 115) }
```

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

Here you see how a box with a 4 pixel rgb(212, 181, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 181, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 181, 115);  
box-shadow:4px 4px 4px 4px rgb(212, 181,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7698, 48.2826, 23.0741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 181, 115) }
```

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

```
.background{ background-color: rgb(212,  
181, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor