

Converting Colors

XYZ(46.8281, 45.8108, 29.6668)

Have a look what the booklet for
XYZ(46.8281, 45.8108, 29.6668)
contains.

XYZ(46.8281, 45.8108, 29.6668)	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(46.8281, 45.8108,
29.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	D5AD88
RGB	213, 173, 136
RGB Percent	84%, 68%, 53%
CMY	0.1647, 0.3215, 0.4667
CMYK	0.00, 0.19, 0.36, 0.16
HSL	29°, 48%, 68%
HSV	29°, 36%, 84%
XYZ	46.8281, 45.8108, 29.6668
YIQ	180.7420, 35.7170, -3.0270

Conversions

Conversions Part 2

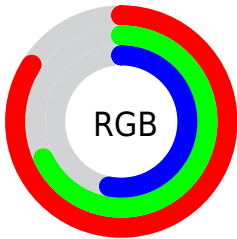
Format	Color
R _Y B	213, 207, 136
Decimal	14003592
CIE Lab	73.42, 9.46, 24.52
CIE LCh	73, 26.281, 68.896
Yxy	45.8108, 0.3829, 0.3746
Android (android.graphics.Color)	4292193672 (0xFFD5AD88)
YUV	180.7420, -22.0578, 28.2903
Hunter-Lab	67.6837, 5.0518, 21.3909

Details

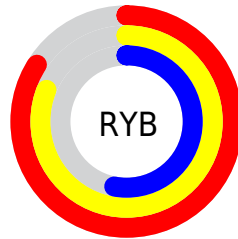
The XYZ color **46.8281, 45.8108, 29.6668** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.6885, 41.0878, 68.8953**, and the grayscale version is **43.8844, 46.1698, 50.2789**.

A 20% lighter version of the original color is **78.2777, 80.4645, 60.1207**, and **22.4217, 21.5147, 11.7751** is the 20% darker color. If you saturate the color by 10%, you get **43.4280, 41.1972, 21.7927**, and if you desaturate by 10%, it is **50.7071, 50.9005, 39.1857**.

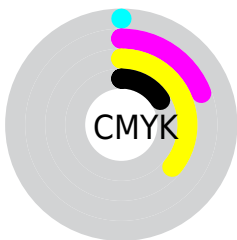
Distribution



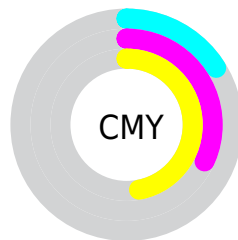
- Red (84%)
- Green (68%)
- Blue (53%)



- Red (84%)
- Yellow (81%)
- Blue (53%)



- Cyan (0%)
- Magenta (19%)
- Yellow (36%)
- Black (16%)





- Cyan (16%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8281, 45.8108, 29.6668 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 46.8281, 45.8108, 29.6668 by changing the saturation by 10% instead.


 46.8281, 45.8108,
29.6668


 46.8281, 45.8108,
29.6668


364.7883,
370.0475, 314.5070


 33.1072, 32.0965,
19.3359


 84.6773, 83.9358,
60.1896

 22.3682, 21.4353,
11.7340


 109.5362,
109.1153, 81.2186

 14.2458, 13.4425,
6.4425


 138.8386,
138.8853, 106.6507

 8.3747, 7.7340,
3.0428


172.9496,
173.6303, 136.9045

 4.3894, 3.9252,
1.1166

212.2348,
213.7346, 172.3985

 1.9247, 1.6318,
0.0000

257.0594,

 0.5911, 0.3789,

259.5827, 213.5512

0.0000

307.7888,
311.5588, 260.7812

0.0000, 0.0000,
0.0000

46.8281, 45.8108,
29.6668

46.8281, 45.8108,
29.6668

43.4280, 41.1972,
21.7927

50.7071, 50.9005,
39.1857

40.4812, 37.0375,
15.4648

55.0819, 56.4745,
50.4344

37.9646, 33.3172,
10.5782


59.9731, 62.5490,
63.4955

35.8512, 30.0182,
7.0136


65.3987, 69.1374,
78.4455


34.1102, 27.1205,
4.6322


71.3757, 76.2524,
95.3563

 32.7040, 24.6010,
3.2603

 76.4708, 83.3265,
106.6609

 32.2278, 23.7204,
2.8799

 79.8167, 90.0183,
107.7762

 81.2506, 92.8862,
108.2542

Harmonies

Analogous

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



50.8481, 45.8108, 35.5166



46.8281, 45.8108, 29.6668



42.1789, 45.8108, 28.6849

Triad

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



46.8281, 45.8108, 29.6668



35.3217, 45.8108, 53.9297



49.3772, 45.8108, 72.4830

Complementary

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



46.8281, 45.8108, 29.6668



37.6885, 41.0878, 68.8953

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.



44.9337, 45.8108, 79.5638



46.8281, 45.8108, 29.6668



36.9712, 45.8108, 67.6725

Square

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



46.8281, 45.8108, 29.6668



35.7499, 45.8108, 41.2479



40.4129, 45.8108, 77.6624



52.3909, 45.8108, 59.6398

Rectangle

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



46.8281, 45.8108, 29.6668



39.3781, 45.8108, 30.7150



40.4129, 45.8108, 77.6624



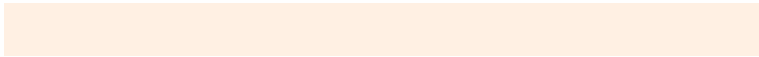
47.9891, 45.8108, 75.7110

Sweetspot

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



46.8293, 45.8129, 29.6677



86.3851, 89.3770, 85.3354



44.1876, 34.9319, 46.0439



18.2760, 18.8642, 17.6952



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.



46.8293, 45.8129, 29.6677



66.5823, 63.7240, 35.7205



55.0385, 62.2314, 32.4041



12.9108, 13.3957, 13.0659



19.7873, 14.6917, 1.7929



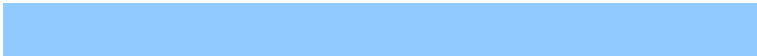
1.2761, 1.0514, 0.1357

Inverse Universe

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



37.6885, 41.0878, 68.8953



50.9810, 55.6559, 102.6634



31.3341, 28.3789, 66.7772



12.2709, 13.0652, 15.8126



10.8875, 10.0367, 39.8166



0.7394, 0.7708, 2.4291

Previews

White Background



This preview shows how the XYZ color 46.8281, 45.8108, 29.6668 looks on a white background.

Color Contrast Check

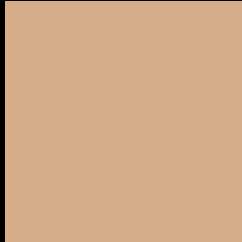
Large Text (above 18pt) WCAG AA × Fail

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 46.8281, 45.8108, 29.6668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

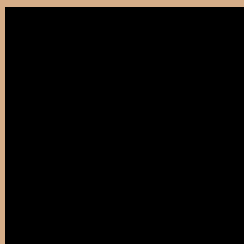
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8281, 45.8108, 29.6668

Background



This preview shows how black text looks on a background with the XYZ color 46.8281, 45.8108, 29.6668.



This preview shows how white text looks on a background with the XYZ color 46.8281, 45.8108,

29.6668.

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

46.8281, 45.8108, 29.6668

Protanopia

42.9738, 45.8441, 31.0099

Deuteranopia

46.8281, 45.8108, 29.6668



Tritanopia

50.9704, 45.8381, 49.3412

Trichromacy



Original Color

46.8281, 45.8108, 29.6668

Protanomaly

44.1290, 45.5586, 30.5126

Deuteranomaly

46.8281, 45.8108, 29.6668

Tritanomaly

49.2077, 45.6552, 41.3408

Monochromacy



Original Color

46.8281, 45.8108, 29.6668

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7042, 45.8949, 42.0997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8281, 45.8108, 29.6668 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(213, 173, 136)` looks like.

```
.text, #text, p{  
    color:rgb(213, 173, 136)  
}
```

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(213, 173, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 173, 136) }
```

Border

The CSS property to change the border of an element to XYZ 46.8281, 45.8108, 29.6668 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(213, 173, 136) }
```


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

```
.border{ border-color:rgb(213, 173, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 173, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 173, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 173, 136); box-shadow:4px 4px 4px 4px rgb(213, 173, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8281, 45.8108, 29.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 173, 136) }
```

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

```
.background{ background-color: rgb(213,  
173, 136) }
```

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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