

Converting Colors

XYZ(47.1758, 48.2165, 28.5298)

Have a look what the booklet for
XYZ(47.1758, 48.2165, 28.5298)
contains.

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Color

**XYZ(47.0645, 48.0101,
28.6161)**

Conversions

Conversions Part 1

Format	Color
Hex	D2B484
RGB	210, 180, 132
RGB Percent	82%, 71%, 52%
CMY	0.1765, 0.2941, 0.4823
CMYK	0.00, 0.14, 0.37, 0.18
HSL	37°, 46%, 67%
HSV	37°, 37%, 82%
XYZ	47.0645, 48.0101, 28.6161
YIQ	183.4980, 33.2880, -8.5680

Conversions

Conversions Part 2

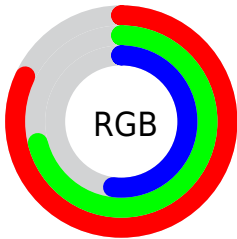
Format	Color
RYB	181, 210, 132
Decimal	13808772
CIELab	74.83, 4.05, 28.50
CIELCh	75, 28.784, 81.903
Yxy	48.0101, 0.3805, 0.3881
Android (android.graphics.Color)	4291998852 (0xFFD2B484)
YUV	183.4980, -25.3885, 23.2423
Hunter-Lab	69.2893, -0.0109, 24.0161

Details

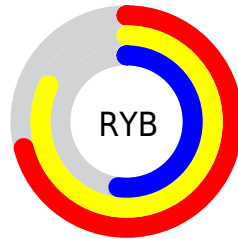
The XYZ color **47.0645, 48.0101, 28.6161** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.0686, 35.3983, 66.0098**, and the grayscale version is **45.4068, 47.7715, 52.0232**.

A 20% lighter version of the original color is **79.9924, 84.7537, 58.0420**, and **22.4388, 22.6580, 11.1734** is the 20% darker color. If you saturate the color by 10%, you get **44.1869, 44.3277, 21.2666**, and if you desaturate by 10%, it is **50.3288, 52.0027, 37.5226**.

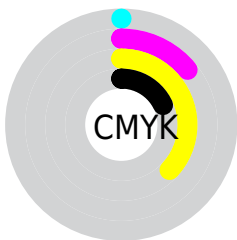
Distribution



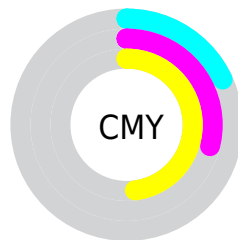
- Red (82%)
- Green (71%)
- Blue (52%)



- Red (71%)
- Yellow (82%)
- Blue (52%)



- Cyan (0%)
- Magenta (14%)
- Yellow (37%)
- Black (18%)





- Cyan (18%)
- Magenta (29%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0645, 48.0101, 28.6161 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 47.0645, 48.0101, 28.6161 by changing the saturation by 10% instead.

 47.0645, 48.0101,
28.6161


 47.0645, 48.0101,
28.6161


365.7165,
378.8322, 309.4033


 33.2948, 33.8349,
18.5475


 85.0280, 87.2194,
58.5015

 22.5127, 22.7668,
11.1703


 109.9526,
113.0224, 79.1554

 14.3528, 14.4214,
6.0659


 139.3262,
143.4700, 104.1747

 8.4498, 8.4143,
2.8157

173.5141,
178.9467, 133.9782

 4.4383, 4.3612,
1.0013

212.8818,
219.8368, 168.9842

 1.9530, 1.8776,
0.0000

257.7945,

 0.6073, 0.5349,

266.5249, 209.6114

0.0000

308.6176,
319.3952, 256.2783

■ 0.0000, 0.0000,
0.0000

■ 47.0645, 48.0101,
28.6161

■ 47.0645, 48.0101,
28.6161

■ 44.1869, 44.3277,
21.2666

■ 50.3288, 52.0027,
37.5226

■ 41.6733, 40.9386,
15.3787

■ 53.9939, 56.3083,
48.0681

■ 39.5039, 37.8339,
10.8511


■ 58.0771, 60.9382,
60.3321

■ 37.6552, 35.0017,
7.5678


■ 62.5939, 65.9008,
74.3880

■ 36.0999, 32.4281,
5.3936


■ 67.5588, 71.2043,
90.3052


 34.8018, 30.0959,
4.1472

 72.4984, 76.6617,
105.5838

 34.4607, 29.4663,
3.8713

 74.7782, 81.2213,
106.3438

 77.1632, 85.9913,
107.1388

 79.6548, 90.9745,
107.9693

Harmonies

Analogous

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



52.1278, 48.0101, 32.7143



47.0645, 48.0101, 28.6161



41.9798, 48.0101, 29.8329

Triad

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



47.0645, 48.0101, 28.6161



36.9167, 48.0101, 63.7811



54.0196, 48.0101, 72.1520

Complementary

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



47.0645, 48.0101, 28.6161



34.0686, 35.3983, 66.0098

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.



49.4904, 48.0101, 83.8377



47.0645, 48.0101, 28.6161



39.6999, 48.0101, 78.3972

Square

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



47.0645, 48.0101, 28.6161



36.3757, 48.0101, 48.3191



44.2292, 48.0101, 86.3187



56.3391, 48.0101, 56.4408

Rectangle

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



47.0645, 48.0101, 28.6161



39.2351, 48.0101, 33.6228



44.2292, 48.0101, 86.3187



52.6893, 48.0101, 76.7962

Sweetspot

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



47.0657, 48.0123, 28.6171



87.5131, 91.6330, 85.7114



41.4588, 32.8562, 38.9016



18.5449, 19.4019, 17.7848



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.



47.0657, 48.0123, 28.6171



69.2546, 69.6858, 34.7083



51.6230, 60.3438, 30.7571



12.4057, 13.0022, 12.4679



21.1204, 18.1739, 2.3947



1.2565, 1.1673, 0.1591

Inverse Universe

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



34.0686, 35.3983, 66.0098



46.1265, 47.2554, 101.2978



30.6662, 26.7144, 64.5130



11.5311, 12.1524, 14.9816



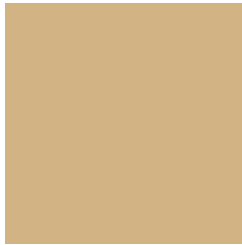
8.9702, 6.5870, 37.9911



0.5775, 0.5202, 2.1495

Previews

White Background



This preview shows how the XYZ color 47.0645, 48.0101, 28.6161 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 47.0645, 48.0101, 28.6161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

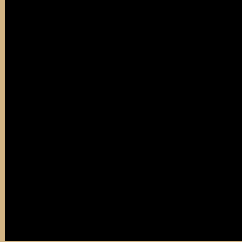
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0645, 48.0101, 28.6161

Background



This preview shows how black text looks on a background with the XYZ color 47.0645, 48.0101, 28.6161.



This preview shows how white text looks on a background with the XYZ color 47.0645, 48.0101,

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

47.0645, 48.0101, 28.6161

Protanopia

44.7323, 48.0080, 29.4631

Deuteranopia

49.1692, 48.1978, 28.9019



Tritanopia

52.1254, 48.0312, 52.9780

Trichromacy



Original Color

47.0645, 48.0101, 28.6161

Protanomaly

45.5242, 48.1170, 29.0784

Deuteranomaly

48.4729, 48.1332, 28.9261

Tritanomaly

50.1398, 48.1000, 42.7180

Monochromacy



Original Color

47.0645, 48.0101, 28.6161

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.7173, 47.9210, 42.4374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0645, 48.0101, 28.6161 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(210, 180, 132)` looks like.

```
.text, #text, p{  
    color:rgb(210, 180, 132)  
}
```

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(210, 180, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 180, 132) }
```

Border

The CSS property to change the border of an element to XYZ 47.0645, 48.0101, 28.6161 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(210, 180, 132) }
```


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

```
.border{ border-color:rgb(210, 180, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 180, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 180, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 180, 132);  
box-shadow:4px 4px 4px 4px rgb(210, 180,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0645, 48.0101, 28.6161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 180, 132) }
```

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

```
.background{ background-color: rgb(210,  
180, 132) }
```

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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