

Converting Colors

XYZ(46.7834, 45.9468, 28.9575)

Have a look what the booklet for
XYZ(46.7834, 45.9468, 28.9575)
contains.

XYZ(46.8797, 46.1395, 28.9892)	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(46.8797, 46.1395,
28.9892)**

Conversions

Conversions Part 1

Format	Color
Hex	D5AE86
RGB	213, 174, 134
RGB Percent	84%, 68%, 53%
CMY	0.1647, 0.3176, 0.4745
CMYK	0.00, 0.18, 0.37, 0.16
HSL	30°, 48%, 68%
HSV	30°, 37%, 84%
XYZ	46.8797, 46.1395, 28.9892
YIQ	181.1010, 36.0840, -4.1720

Conversions

Conversions Part 2

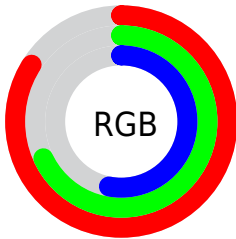
Format	Color
R _Y B	211, 213, 134
Decimal	14003846
CIE Lab	73.64, 8.69, 25.88
CIE LCh	74, 27.301, 71.443
Yxy	46.1395, 0.3842, 0.3782
Android (android.graphics.Color)	4292193926 (0xFFD5AE86)
YUV	181.1010, -23.2208, 27.9754
Hunter-Lab	67.9261, 4.3226, 22.2447

Details

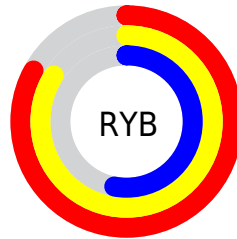
The XYZ color **46.8797, 46.1395, 28.9892** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.7848, 39.7581, 68.6861**, and the grayscale version is **44.0846, 46.3804, 50.5083**.

A 20% lighter version of the original color is **78.2290, 80.8865, 58.5033**, and **22.4644, 21.7273, 11.3973** is the 20% darker color. If you saturate the color by 10%, you get **43.5891, 41.7010, 21.2865**, and if you desaturate by 10%, it is **50.6309, 51.0200, 38.3226**.

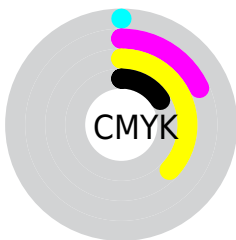
Distribution



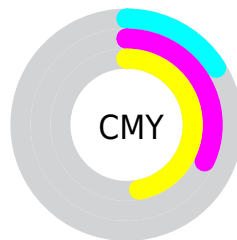
- Red (84%)
- Green (68%)
- Blue (53%)



- Red (83%)
- Yellow (84%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (37%)
- Black (16%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8797, 46.1395, 28.9892 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 46.8797, 46.1395, 28.9892 by changing the saturation by 10% instead.


 46.8797, 46.1395,
28.9892


 46.8797, 46.1395,
28.9892


364.9911,
371.3692, 311.2233


 33.1481, 32.3559,
18.8271


 84.7539, 84.4277,
59.1019

 22.3997, 21.6335,
11.3699

 109.6271,
109.7012, 79.8896

 14.2691, 13.5878,
6.1989

 138.9450,
139.5734, 105.0563

 8.3910, 7.8346,
2.8957

173.0729,
174.4287, 135.0206

 4.4001, 3.9893,
1.0416

212.3761,
214.6515, 170.2008

 1.9309, 1.6676,
0.0000

257.2199,

 0.5947, 0.4025,

260.6263, 211.0157

0.0000

307.9698,
312.7374, 257.8837

0.0000, 0.0000,
0.0000

46.8797, 46.1395,
28.9892

46.8797, 46.1395,
28.9892

43.5891, 41.7010,
21.2865

50.6309, 51.0200,
38.3226

40.7339, 37.6836,
15.1153

54.8593, 56.3497,
49.3722

38.2914, 34.0740,
10.3699

59.5847, 62.1437,
62.2210

36.2353, 30.8552,
6.9297

64.8248, 68.4143,
76.9456

34.5348, 28.0086,
4.6536

70.5963, 75.1732,
93.6182

■ 33.1505, 25.5117,
3.3551

■ 75.8005, 81.9859,
106.4375

■ 32.7885, 24.8420,
3.0668

■ 78.9359, 88.2569,
107.4827

■ 81.2506, 92.8861,
108.2542

Harmonies

Analogous

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



51.1984, 46.1395, 34.5963



46.8797, 46.1395, 28.9892



42.0356, 46.1395, 28.4007

Triad

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



46.8797, 46.1395, 28.9892



35.3592, 46.1395, 55.7076



50.2995, 46.1395, 72.9551

Complementary

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



46.8797, 46.1395, 28.9892



36.7848, 39.7581, 68.6861

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.



45.7246, 46.1395, 81.1115



46.8797, 46.1395, 28.9892



37.2482, 46.1395, 70.0006

Square

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



46.8797, 46.1395, 28.9892



35.6184, 46.1395, 42.2327



40.9618, 46.1395, 79.9406



53.2707, 46.1395, 59.1961

Rectangle

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



46.8797, 46.1395, 28.9892



39.1813, 46.1395, 30.7750



40.9618, 46.1395, 79.9406



48.8846, 46.1395, 76.5477

Sweetspot

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



46.8809, 46.1417, 28.9901



86.5992, 89.8053, 85.4067



43.5572, 34.2333, 44.1016



18.3270, 18.9661, 17.7122



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.



46.8809, 46.1417, 28.9901



66.2682, 63.7130, 33.7128



55.5380, 63.4559, 31.8758



12.9378, 13.4498, 13.0749



20.1311, 15.3795, 1.9075



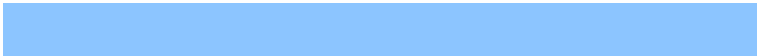
1.2970, 1.0932, 0.1426

Inverse Universe

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



36.7848, 39.7581, 68.6861



48.8491, 52.7005, 102.2053



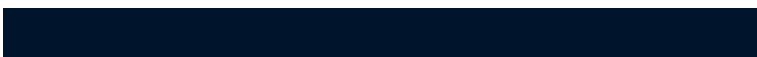
30.3673, 26.9231, 66.5469



12.2438, 13.0109, 15.8036



10.5326, 9.3270, 39.6983



0.7180, 0.7281, 2.4220

Previews

White Background



This preview shows how the XYZ color 46.8797, 46.1395, 28.9892 looks on a white background.

Color Contrast Check

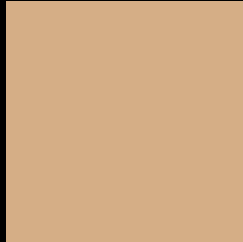
Large Text (above 18pt) WCAG AA × Fail

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 46.8797, 46.1395, 28.9892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

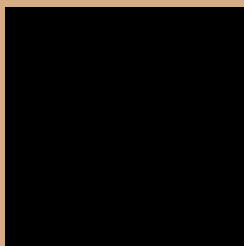
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8797, 46.1395, 28.9892

Background



This preview shows how black text looks on a background with the XYZ color 46.8797, 46.1395, 28.9892.



This preview shows how white text looks on a background with the XYZ color 46.8797, 46.1395,

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

46.8797, 46.1395, 28.9892

Protanopia

43.2874, 46.3232, 30.3267

Deuteranopia

47.1707, 46.2895, 29.0029



Tritanopia

51.2566, 46.2469, 49.9411

Trichromacy



Original Color

46.8797, 46.1395, 28.9892

Protanomaly

44.4517, 46.0359, 29.8355

Deuteranomaly

47.1707, 46.2895, 29.0029

Tritanomaly

49.3945, 46.0287, 41.4030

Monochromacy



Original Color

46.8797, 46.1395, 28.9892

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.6136, 45.8586, 41.6222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8797, 46.1395, 28.9892 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, 174, 134)` looks like.

```
.text, #text, p{  
    color:rgb(213, 174, 134)  
}
```

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, 174, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 174, 134) }
```

Border

The CSS property to change the border of an element to XYZ 46.8797, 46.1395, 28.9892 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, 174, 134) }
```


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

```
.border{ border-color:rgb(213, 174, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 174, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 174, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 174, 134);  
box-shadow:4px 4px 4px 4px rgb(213, 174,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8797, 46.1395, 28.9892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 174, 134) }
```

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

```
.background{ background-color: rgb(213,  
174, 134) }
```

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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