

Converting Colors

XYZ(48.0678, 44.9214, 28.7783)

Have a look what the booklet for
XYZ(48.0678, 44.9214, 28.7783)
contains.

XYZ(47.9406, 44.7308, 28.6614)	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(47.9406, 44.7308,
28.6614)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA786
RGB	221, 167, 134
RGB Percent	87%, 65%, 53%
CMY	0.1333, 0.3451, 0.4745
CMYK	0.00, 0.24, 0.39, 0.13
HSL	23°, 56%, 70%
HSV	23°, 39%, 87%
XYZ	47.9406, 44.7308, 28.6614
YIQ	179.3840, 42.7770, 1.1850

Conversions

Conversions Part 2

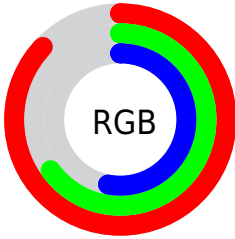
Format	Color
RYB	221, 187, 134
Decimal	14526342
CIELab	72.71, 15.62, 24.78
CIELCh	73, 29.291, 57.776
Yxy	44.7308, 0.3951, 0.3687
Android (android.graphics.Color)	4292716422 (0xFFDDA786)
YUV	179.3840, -22.3743, 36.4972
Hunter-Lab	66.8811, 10.9075, 21.4085

Details

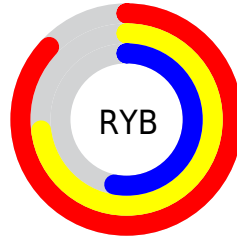
The XYZ color **47.9406, 44.7308, 28.6614** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.8652, 46.2536, 75.1807**, and the grayscale version is **43.1534, 45.4007, 49.4414**.

A 20% lighter version of the original color is **76.3309, 77.0904, 57.8706**, and **23.0408, 20.7941, 11.1868** is the 20% darker color. If you saturate the color by 10%, you get **44.1766, 39.4172, 20.5804**, and if you desaturate by 10%, it is **52.2955, 50.7106, 38.5294**.

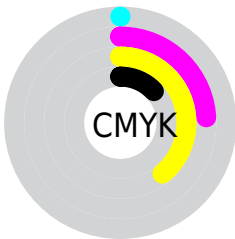
Distribution



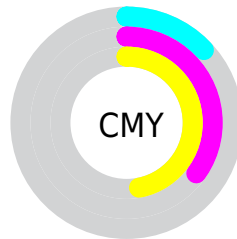
- Red (87%)
- Green (65%)
- Blue (53%)



- Red (87%)
- Yellow (73%)
- Blue (53%)



- Cyan (0%)
- Magenta (24%)
- Yellow (39%)
- Black (13%)





- Cyan (13%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9406, 44.7308, 28.6614 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 47.9406, 44.7308, 28.6614 by changing the saturation by 10% instead.


 47.9406, 44.7308,
28.6614


 47.9406, 44.7308,
28.6614


369.1431,
365.6822, 309.6248


 33.9909, 31.2454,
18.5815


 86.3262, 82.3163,
58.5744

 23.0495, 20.7858,
11.1945


 111.4928,
107.1852, 79.2446

 14.7509, 12.9675,
6.0820


 141.1291,
136.6175, 104.2819

 8.7299, 7.4062,
2.8254

175.6004,
170.9974, 134.1049

 4.6212, 3.7174,
1.0062

215.2721,
210.7095, 169.1322

 2.0592, 1.5168,
0.0000

260.5096,

 0.6669, 0.3005,

256.1380, 209.7822

0.0000

311.6781,
307.6675, 256.4736

0.0000, 0.0000,
0.0000

47.9406, 44.7308,
28.6614

47.9406, 44.7308,
28.6614

44.1766, 39.4172,
20.5804

52.2955, 50.7106,
38.5294

40.9717, 34.7387,
14.1744

57.2643, 57.3733,
50.2816

38.2958, 30.6712,
9.3229

62.8728, 64.7432,
64.0114

36.1139, 27.1859,
5.8878

69.1442, 72.8411,
79.8051

34.3861, 24.2512,
3.7058

76.1006, 81.6870,
97.7439

■ 33.0522, 21.8266,
2.5112

■ 81.8379, 90.5303,
107.7685

■ 32.9767, 21.6879,
2.4481

■ 83.6288, 94.1122,
108.3655

Harmonies

Analogous

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



51.7585, 44.7308, 36.7941



47.9406, 44.7308, 28.6614



42.8956, 44.7308, 25.7539

Triad

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



47.9406, 44.7308, 28.6614



33.4809, 44.7308, 47.6264



47.2326, 44.7308, 77.8920

Complementary

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



47.9406, 44.7308, 28.6614



40.8652, 46.2536, 75.1807

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.



42.1372, 44.7308, 82.3547



47.9406, 44.7308, 28.6614



34.4437, 44.7308, 62.9416

Square

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



47.9406, 44.7308, 28.6614



34.7743, 44.7308, 35.2559



37.5155, 44.7308, 76.4163



51.3274, 44.7308, 65.1996

Rectangle

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



47.9406, 44.7308, 28.6614



39.6018, 44.7308, 26.6232



37.5155, 44.7308, 76.4163



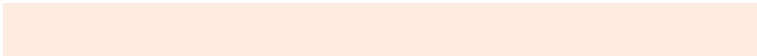
45.5683, 44.7308, 80.5027

Sweetspot

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



47.9417, 44.7329, 28.6623



84.7468, 86.6594, 83.0661



47.5403, 36.1012, 52.6639



17.9166, 18.2569, 17.2318



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.



47.9417, 44.7329, 28.6623



62.0698, 55.9056, 30.4965



57.0208, 62.8910, 31.6886



13.4589, 13.8571, 13.6909



19.2577, 12.8009, 1.4558



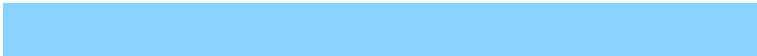
1.3291, 0.9923, 0.1215

Inverse Universe

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



40.8652, 46.2536, 75.1807



50.9973, 58.2463, 103.1626



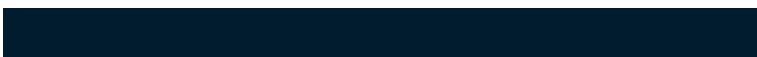
33.1004, 30.7239, 72.5924



13.0083, 13.9564, 16.6604



12.9040, 13.6774, 41.6983



0.9181, 1.0503, 2.7288

Previews

White Background



This preview shows how the XYZ color 47.9406, 44.7308, 28.6614 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 47.9406, 44.7308, 28.6614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

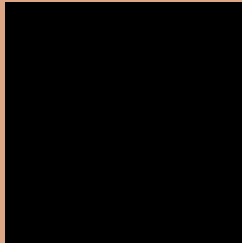
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9406, 44.7308, 28.6614

Background



This preview shows how black text looks on a background with the XYZ color 47.9406, 44.7308, 28.6614.



This preview shows how white text looks on a background with the XYZ color 47.9406, 44.7308,

28.6614.

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

47.9406, 44.7308, 28.6614

Protanopia

42.0665, 44.7812, 30.8526

Deuteranopia

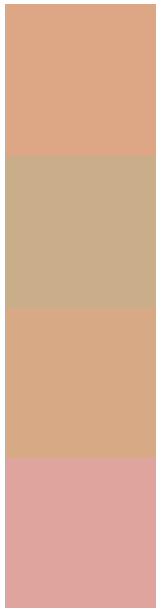
45.6605, 44.6682, 28.4055



Tritanopia

51.6116, 44.9042, 45.9915

Trichromacy



Original Color

47.9406, 44.7308, 28.6614

Protanomaly

44.0085, 44.6348, 29.9628

Deuteranomaly

46.6327, 44.8900, 28.3971

Tritanomaly

50.2739, 44.9014, 38.8180

Monochromacy



Original Color

47.9406, 44.7308, 28.6614

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.1890, 44.7736, 40.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9406, 44.7308, 28.6614 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(221, 167, 134)` looks like.

```
.text, #text, p{  
    color:rgb(221, 167, 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(221, 167, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 167, 134) }
```

Border

The CSS property to change the border of an element to XYZ 47.9406, 44.7308, 28.6614 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(221, 167, 134) }
```


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

```
.border{ border-color:rgb(221, 167, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 167, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 167, 134); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 167, 134); box-shadow:4px 4px 4px 4px rgb(221, 167, 134) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9406, 44.7308, 28.6614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 167, 134) }
```

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

```
.background{ background-color: rgb(221,  
167, 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](#).

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