

Converting Colors

XYZ(45.8455, 42.4269, 29.5048)

Have a look what the booklet for
XYZ(45.8455, 42.4269, 29.5048)
contains.

XYZ(45.9315, 42.5995, 29.4686)	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(45.9315, 42.5995,
29.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A389
RGB	216, 163, 137
RGB Percent	85%, 64%, 54%
CMY	0.1529, 0.3608, 0.4627
CMYK	0.00, 0.25, 0.37, 0.15
HSL	20°, 50%, 69%
HSV	20°, 37%, 85%
XYZ	45.9315, 42.5995, 29.4686
YIQ	175.8830, 39.9340, 3.1500

Conversions

Conversions Part 2

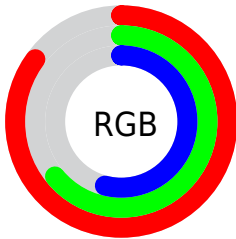
Format	Color
R _Y B	216, 176, 137
Decimal	14197641
CIE Lab	71.28, 16.15, 21.12
CIE LCh	71, 26.586, 52.590
Yxy	42.5995, 0.3893, 0.3610
Android (android.graphics.Color)	4292387721 (0xFFD8A389)
YUV	175.8830, -19.1693, 35.1826
Hunter-Lab	65.2683, 11.3970, 18.9184

Details

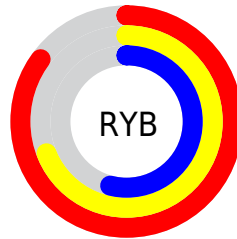
The XYZ color **45.9315, 42.5995, 29.4686** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.1240, 47.1015, 71.8899**, and the grayscale version is **41.2890, 43.4392, 47.3053**.

A 20% lighter version of the original color is **75.6057, 75.1205, 59.2301**, and **21.9019, 19.5306, 11.6322** is the 20% darker color. If you saturate the color by 10%, you get **42.1076, 37.1880, 21.2997**, and if you desaturate by 10%, it is **50.3626, 48.7287, 39.3710**.

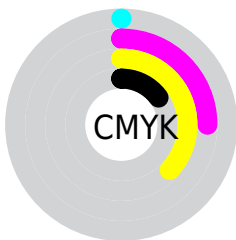
Distribution



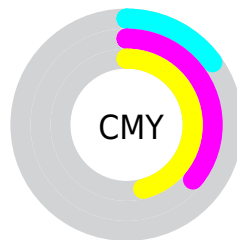
- Red (85%)
- Green (64%)
- Blue (54%)



- Red (85%)
- Yellow (69%)
- Blue (54%)



- Cyan (0%)
- Magenta (25%)
- Yellow (37%)
- Black (15%)





- Cyan (15%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9315, 42.5995, 29.4686 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 45.9315, 42.5995, 29.4686 by changing the saturation by 10% instead.


 45.9315, 42.5995,
29.4686


 45.9315, 42.5995,
29.4686


361.2537,
356.9621, 313.5494

 32.3962, 29.5710,
19.1870


 83.3450, 79.1061,
59.8718

 21.8213, 19.5132,
11.6273


 107.9538,
103.3531, 80.8305

 13.8415, 12.0417,
6.3710


 136.9845,
132.1083, 106.1852

 8.0915, 6.7721,
2.9995

170.8025,
165.7561, 136.3546

 4.2058, 3.3200,
1.0944

209.7730,
204.6811, 171.7572

 1.8192, 1.3010,
0.0000

254.2615,

 0.5292, 0.1420,

249.2674, 212.8115

0.0000

304.6333,
299.8997, 259.9361

■ 0.0000, 0.0000,
0.0000

■ 45.9315, 42.5995,
29.4686

■ 45.9315, 42.5995,
29.4686

■ 42.1076, 37.1880,
21.2997

■ 50.3626, 48.7287,
39.3710

■ 38.8591, 32.4609,
14.7605

■ 55.4241, 55.5953,
51.0975

■ 36.1560, 28.3911,
9.7398

■ 61.1420, 63.2256,
64.7352

■ 33.9640, 24.9470,
6.1112

■ 67.5397, 71.6429,
80.3649

■ 32.2440, 22.0942,
3.7276

■ 74.6394, 80.8692,
98.0628

■ 30.9485, 19.7932,
2.4018

■ 80.5374, 90.1559,
107.7648

■ 30.5786, 19.1183,
2.0785

■ 82.1289, 93.3389,
108.2953

Harmonies

Analogous

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



48.9432, 42.5995, 37.5665



45.9315, 42.5995, 29.4686



41.6067, 42.5995, 26.0267

Triad

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



45.9315, 42.5995, 29.4686



32.5599, 42.5995, 43.2848



43.8772, 42.5995, 72.9849

Complementary

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



45.9315, 42.5995, 29.4686



41.1240, 47.1015, 71.8899

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.



39.3925, 42.5995, 75.2824



45.9315, 42.5995, 29.4686



33.0700, 42.5995, 56.4824

Square

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



45.9315, 42.5995, 29.4686



34.0468, 42.5995, 32.9942



35.4954, 42.5995, 68.7791



47.6977, 42.5995, 62.9789

Rectangle

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



45.9315, 42.5995, 29.4686



38.6472, 42.5995, 26.2901



35.4954, 42.5995, 68.7791



42.3896, 42.5995, 74.7508

Sweetspot

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



45.9326, 42.6015, 29.4695



85.1465, 86.8998, 84.9225



46.6670, 36.2516, 53.8185



17.9816, 18.2754, 17.5971



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.



45.9326, 42.6015, 29.4695



62.4502, 55.7720, 33.3808



53.8418, 58.4199, 32.1058



12.7538, 13.0819, 13.0136



18.1877, 11.4927, 1.2597



1.1717, 0.8426, 0.1009

Inverse Universe

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



41.1240, 47.1015, 71.8899



54.4318, 63.2193, 103.9414



33.8562, 32.5659, 69.4673



12.4317, 13.3868, 15.8662



13.4228, 15.1075, 40.6617



0.8838, 1.0597, 2.4773

Previews

White Background



This preview shows how the XYZ color 45.9315, 42.5995, 29.4686 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 45.9315, 42.5995, 29.4686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

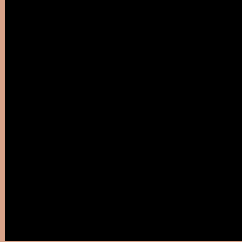
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.9315, 42.5995, 29.4686

Background



This preview shows how black text looks on a background with the XYZ color 45.9315, 42.5995, 29.4686.



This preview shows how white text looks on a background with the XYZ color 45.9315, 42.5995,

29.4686.

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

45.9315, 42.5995, 29.4686

Protanopia

40.0261, 42.5394, 31.6925

Deuteranopia

43.6234, 42.7620, 29.2472



Tritanopia

48.6960, 42.4161, 43.6508

Trichromacy



Original Color

45.9315, 42.5995, 29.4686

Protanomaly

41.8733, 42.3787, 30.7839

Deuteranomaly

44.3746, 42.6053, 29.1774

Tritanomaly

47.6558, 42.5157, 38.0424

Monochromacy



Original Color

45.9315, 42.5995, 29.4686

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.5704, 42.8108, 40.2020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9315, 42.5995, 29.4686 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(216, 163, 137) looks like.

```
.text, #text, p{  
    color:rgb(216, 163, 137)  
}
```

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(216, 163, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 163, 137) }
```

Border

The CSS property to change the border of an element to XYZ 45.9315, 42.5995, 29.4686 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(216, 163, 137) }
```


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

```
.border{ border-color:rgb(216, 163, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 163, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 163, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 163, 137);  
box-shadow:4px 4px 4px 4px rgb(216, 163,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9315, 42.5995, 29.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 163, 137) }
```

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

```
.background{ background-color: rgb(216,  
163, 137) }
```

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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