

Converting Colors

$Y_{xy}(36.0909, 0.4508, 0.4036)$

Have a look what the booklet for
Yxy(36.0909, 0.4508, 0.4036)
contains.

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Color

Yxy(36.0909, 0.4508, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	D89353
RGB	216, 147, 83
RGB Percent	85%, 58%, 33%
CMY	0.1530, 0.4235, 0.6746
CMYK	0.00, 0.32, 0.62, 0.15
HSL	29°, 63%, 59%
HSV	29°, 62%, 85%
XYZ	40.3116, 36.0909, 13.0199
YIQ	160.3350, 61.6680, -5.2760

Conversions

Conversions Part 2

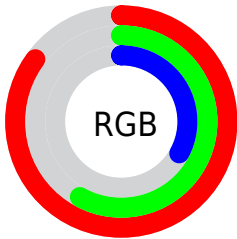
Format	Color
R _Y B	216, 206, 83
Decimal	14193491
CIE Lab	66.59, 19.68, 43.86
CIE LCh	67, 48.074, 65.839
Yxy	36.0909, 0.4508, 0.4036
Android (android.graphics.Color)	4292383571 (0xFFD89353)
YUV	160.3350, -38.1262, 48.8182
Hunter-Lab	60.0757, 14.6435, 29.2034

Details

The Yxy color **36.0909, 0.4508, 0.4036** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **29.2381, 0.2164, 0.2328**, and the grayscale version is **35.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7545, 0.4082, 0.3979**, and **15.6493, 0.4888, 0.4163** is the 20% darker color. If you saturate the color by 10%, you get **32.4935, 0.4792, 0.4104**, and if you desaturate by 10%, it is **40.1351, 0.4228, 0.3936**.

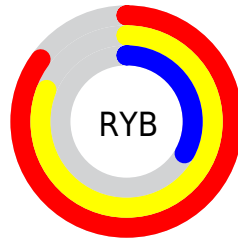
Distribution



Red (85%)

Green (58%)

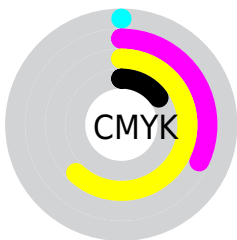
Blue (33%)



Red (85%)

Yellow (81%)

Blue (33%)

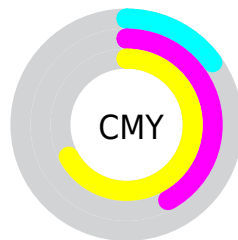


Cyan (0%)

Magenta (32%)

Yellow (62%)

Black (15%)



Cyan (15%)

Magenta (42%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0909, 0.4508, 0.4036 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 Yxy color 36.0909, 0.4508, 0.4036 by changing the saturation by 10% instead.


 36.0909, 0.4508,
0.4036


 36.0909, 0.4508,
0.4036


329.3577, 0.3803,
0.3700

 24.5044, 0.4678,
0.4099


 69.1723, 0.4254,
0.3928


 15.7082, 0.4888,
0.4164


 91.4361, 0.4157,
0.3882


 9.3179, 0.5148,
0.4220


 118.0277, 0.4075,
0.3842

 4.9491, 0.5565,
0.4314

 149.3316, 0.4005,
0.3807

 2.2174, 0.5848,
0.4152

 185.7321, 0.3944,
0.3776

 0.7295, 0.6257,
0.3743

227.6137, 0.3891,

 0.0000, 1.0000,

0.3748

0.0000

275.3608, 0.3845,
0.3723

0.0000, 0.0000,
0.0000

36.0909, 0.4508,
0.4036

36.0909, 0.4508,
0.4036

32.4935, 0.4792,
0.4104

40.1351, 0.4228,
0.3936

29.3177, 0.5064,
0.4126

44.6386, 0.3963,
0.3816

26.5433, 0.5304,
0.4095

49.6199, 0.3722,
0.3687

24.4944, 0.5477,
0.4033

55.0948, 0.3507,
0.3557

61.0781, 0.3317,
0.3429

■ 67.5839, 0.3151,
0.3308

■ 74.6257, 0.3007,
0.3196

■ 82.1669, 0.2887,
0.3099

■ 88.8433, 0.2891,
0.3216

Harmonies

Analogous

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



36.0909, 0.4538, 0.3496



36.0909, 0.4508, 0.4036



36.0909, 0.4087, 0.4483

Triad

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



36.0909, 0.4508, 0.4036



36.0909, 0.2185, 0.3544



36.0909, 0.2687, 0.2250

Complementary

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



36.0909, 0.4508, 0.4036



29.2381, 0.2164, 0.2328

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.



36.0909, 0.2159, 0.2181



36.0909, 0.4508, 0.4036



36.0909, 0.1895, 0.2823

Square

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



36.0909, 0.4508, 0.4036



36.0909, 0.2741, 0.4278



36.0909, 0.1891, 0.2359



36.0909, 0.3408, 0.2530

Rectangle

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



36.0909, 0.4508, 0.4036



36.0909, 0.3669, 0.4630



36.0909, 0.1891, 0.2359



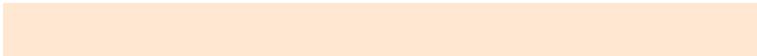
36.0909, 0.2484, 0.2202

Sweetspot

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



36.0927, 0.4508, 0.4036



83.1303, 0.3439, 0.3513



23.1110, 0.3987, 0.2475



17.2599, 0.3497, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.0927, 0.4508, 0.4036



45.8186, 0.4879, 0.4116



62.0886, 0.4016, 0.4677



13.3974, 0.3279, 0.3403



14.7131, 0.5453, 0.4052



1.0527, 0.5179, 0.4270

Inverse Universe

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



29.2381, 0.2164, 0.2328



34.9966, 0.1999, 0.2081



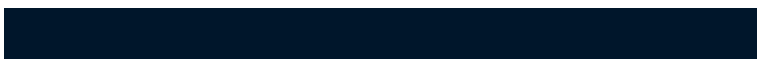
13.6783, 0.1947, 0.1373



13.0634, 0.2982, 0.3175



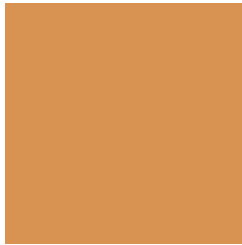
10.0133, 0.1792, 0.1650



0.7694, 0.1876, 0.1954

Previews

White Background



This preview shows how the Yxy color 36.0909, 0.4508, 0.4036 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 Yxy color 36.0909, 0.4508, 0.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

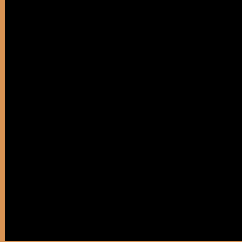
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0909, 0.4508, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 36.0909, 0.4508, 0.4036.



This preview shows how white text looks on a background with the Yxy color 36.0909, 0.4508, 0.4036.

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

36.0909, 0.4508, 0.4036

Protanopia

36.1289, 0.3968, 0.4309

Deuteranopia

36.3161, 0.4296, 0.4214



Tritanopia

36.0394, 0.3906, 0.3160

Trichromacy



Original Color

36.0909, 0.4508, 0.4036

Protanomaly

35.9923, 0.4156, 0.4217

Deuteranomaly

36.1875, 0.4374, 0.4143

Tritanomaly

35.9124, 0.4142, 0.3487

Monochromacy



Original Color

36.0909, 0.4508, 0.4036

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.8119, 0.3606, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0909, 0.4508, 0.4036 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, 147, 83)` looks like.

```
.text, #text, p{  
    color:rgb(216, 147, 83)  
}
```

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, 147, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 147, 83) }
```

Border

The CSS property to change the border of an element to Yxy 36.0909, 0.4508, 0.4036 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, 147, 83) }
```

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

```
.border{ border-color:rgb(216, 147, 83) }
```

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

Here you see how a box with a 4 pixel rgb(216, 147, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 147, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 147, 83);  
box-shadow:4px 4px 4px 4px rgb(216, 147,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0909, 0.4508, 0.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 147, 83) }
```

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

```
.background{ background-color: rgb(216,  
147, 83) }
```

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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