

Converting Colors

$Y_{xy}(36.6175, 0.4294, 0.3816)$

Have a look what the booklet for
Yxy(36.6175, 0.4294, 0.3816)
contains.

Yxy(36.6468, 0.4284, 0.3814)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.6468, 0.4284, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	D79469
RGB	215, 148, 105
RGB Percent	84%, 58%, 41%
CMY	0.1569, 0.4196, 0.5881
CMYK	0.00, 0.31, 0.51, 0.16
HSL	23°, 58%, 63%
HSV	23°, 51%, 84%
XYZ	41.1628, 36.6468, 18.2754
YIQ	163.1310, 53.7350, 0.8310

Conversions

Conversions Part 2

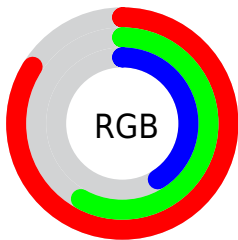
Format	Color
R _Y B	215, 176, 105
Decimal	14128233
CIE Lab	67.01, 20.48, 32.80
CIE LCh	67, 38.671, 58.015
Yxy	36.6468, 0.4284, 0.3814
Android (android.graphics.Color)	4292318313 (0xFFD79469)
YUV	163.1310, -28.6586, 45.4891
Hunter-Lab	60.5366, 15.4348, 24.4766

Details

The Yxy color **36.6468, 0.4284, 0.3814** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.4181, 0.2346, 0.2672**, and the grayscale version is **36.8118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9354, 0.3902, 0.3759**, and **16.0129, 0.4626, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **32.3821, 0.4600, 0.3894**, and if you desaturate by 10%, it is **41.4917, 0.3993, 0.3716**.

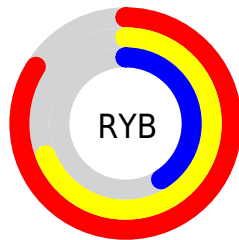
Distribution



Red (84%)

Green (58%)

Blue (41%)



Red (84%)

Yellow (69%)

Blue (41%)

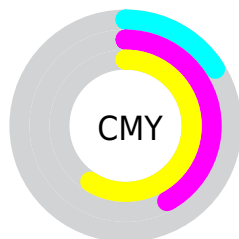


Cyan (0%)

Magenta (31%)

Yellow (51%)

Black (16%)



Cyan (16%)


Magenta (42%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6468, 0.4284, 0.3814 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 36.6468, 0.4284, 0.3814 by changing the saturation by 10% instead.


 36.6468, 0.4284,
0.3814


 36.6468, 0.4284,
0.3814


331.7788, 0.3684,
0.3573

 24.9341, 0.4436,
0.3863


 70.0292, 0.4063,
0.3734


 16.0280, 0.4631,
0.3918


 92.4678, 0.3981,
0.3701

 9.5440, 0.4886,
0.3974


 119.2504, 0.3911,
0.3673

 5.0977, 0.5226,
0.4015

 150.7616, 0.3852,
0.3648

 2.3047, 0.5873,
0.4127

187.3856, 0.3801,
0.3626

 0.7762, 0.6267,
0.3733

229.5069, 0.3757,

 0.0000, 1.0000,

0.3606

0.0000

277.5098, 0.3718,
0.3589

0.0000, 0.0000,
0.0000

36.6468, 0.4284,
0.3814

36.6468, 0.4284,
0.3814

32.3821, 0.4600,
0.3894

41.4917, 0.3993,
0.3716

28.6681, 0.4928,
0.3943

46.9337, 0.3734,
0.3610

25.4806, 0.5247,
0.3949

52.9957, 0.3508,
0.3503

22.7906, 0.5529,
0.3903

59.6977, 0.3312,
0.3399

20.7917, 0.5739,
0.3825

67.0586, 0.3145,
0.3301

■ 75.0965, 0.3002,
0.3210

■ 83.7953, 0.2882,
0.3131

■ 91.7720, 0.2888,
0.3267

■ 93.1854, 0.2889,
0.3289

Harmonies

Analogous

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



36.6468, 0.4201, 0.3362



36.6468, 0.4284, 0.3814



36.6468, 0.4031, 0.4193

Triad

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



36.6468, 0.4284, 0.3814



36.6468, 0.2468, 0.3659



36.6468, 0.2644, 0.2397

Complementary

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



36.6468, 0.4284, 0.3814



37.4181, 0.2346, 0.2672

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.



36.6468, 0.2254, 0.2398



36.6468, 0.4284, 0.3814



36.6468, 0.2157, 0.3066

Square

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



36.6468, 0.4284, 0.3814



36.6468, 0.2971, 0.4171



36.6468, 0.2086, 0.2619



36.6468, 0.3201, 0.2589

Rectangle

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



36.6468, 0.4284, 0.3814



36.6468, 0.3724, 0.4338



36.6468, 0.2086, 0.2619



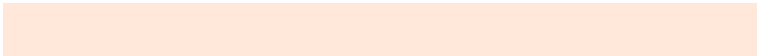
36.6468, 0.2491, 0.2375

Sweetspot

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



36.6486, 0.4284, 0.3814



83.8020, 0.3387, 0.3440



27.5648, 0.3664, 0.2488



17.4880, 0.3428, 0.3462



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.



36.6486, 0.4284, 0.3814



47.3986, 0.4614, 0.3897



57.7822, 0.3940, 0.4400



13.2090, 0.3281, 0.3382



12.6296, 0.5712, 0.3846



0.9204, 0.5393, 0.4100

Inverse Universe

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



37.4181, 0.2346, 0.2672



48.5698, 0.2208, 0.2518



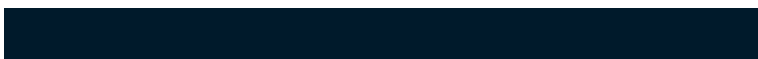
20.8335, 0.2185, 0.1854



13.2550, 0.2982, 0.3197



12.8488, 0.1879, 0.1964



0.9339, 0.1949, 0.2218

Previews

White Background



This preview shows how the Yxy color 36.6468, 0.4284, 0.3814 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 36.6468, 0.4284, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

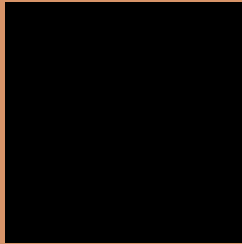
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6468, 0.4284, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 36.6468, 0.4284, 0.3814.



This preview shows how white text looks on a background with the Yxy color 36.6468, 0.4284, 0.3814.

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

36.6468, 0.4284, 0.3814

Protanopia

36.6892, 0.3742, 0.4027

Deuteranopia

36.6265, 0.4065, 0.3985



Tritanopia

36.7060, 0.3841, 0.3159

Trichromacy



Original Color

36.6468, 0.4284, 0.3814

Protanomaly

36.6342, 0.3934, 0.3951

Deuteranomaly

36.6193, 0.4147, 0.3915

Tritanomaly

36.6295, 0.4011, 0.3390

Monochromacy



Original Color

36.6468, 0.4284, 0.3814

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.3518, 0.3519, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6468, 0.4284, 0.3814 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(215, 148, 105)` looks like.

```
.text, #text, p{  
    color:rgb(215, 148, 105)  
}
```

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(215, 148, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 148, 105) }
```

Border

The CSS property to change the border of an element to Yxy 36.6468, 0.4284, 0.3814 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(215, 148, 105) }
```

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

```
.border{ border-color:rgb(215, 148, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 148, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 148, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 148, 105);  
box-shadow:4px 4px 4px 4px rgb(215, 148,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6468, 0.4284, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 148, 105) }
```

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

```
.background{ background-color: rgb(215,  
148, 105) }
```

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