

Converting Colors

$Y_{xy}(30.4318, 0.4678, 0.3789)$

Have a look what the booklet for
Yxy(30.4318, 0.4678, 0.3789)
contains.

Yxy(30.4178, 0.4676, 0.3792)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.4178, 0.4676, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	D87F54
RGB	216, 127, 84
RGB Percent	85%, 50%, 33%
CMY	0.1530, 0.5019, 0.6704
CMYK	0.00, 0.41, 0.61, 0.15
HSL	20°, 63%, 59%
HSV	20°, 61%, 85%
XYZ	37.5089, 30.4178, 12.2890
YIQ	148.7090, 66.8470, 5.4950

Conversions

Conversions Part 2

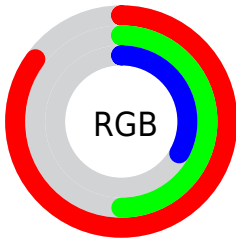
Format	Color
R _Y B	216, 148, 84
Decimal	14188372
CIE Lab	62.01, 30.49, 37.85
CIE LCh	62, 48.602, 51.153
Yxy	30.4178, 0.4676, 0.3792
Android (android.graphics.Color)	4292378452 (0xFFD87F54)
YUV	148.7090, -31.9015, 59.0142
Hunter-Lab	55.1523, 24.8805, 25.3956

Details

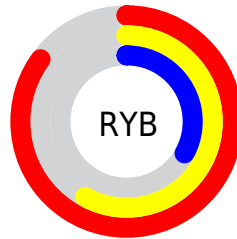
The Yxy color **30.4178, 0.4676, 0.3792** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **36.7415, 0.2244, 0.2659**, and the grayscale version is **30.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0570, 0.4180, 0.3771**, and **12.6094, 0.5151, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **26.6367, 0.5035, 0.3827**, and if you desaturate by 10%, it is **34.8504, 0.4333, 0.3728**.

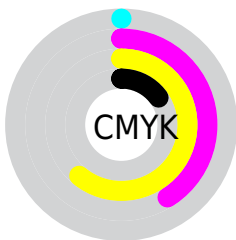
Distribution



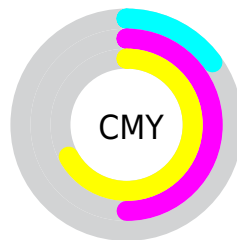
- Red (85%)
- Green (50%)
- Blue (33%)



- Red (85%)
- Yellow (58%)
- Blue (33%)



- Cyan (0%)
- Magenta (41%)
- Yellow (61%)
- Black (15%)





- Cyan (15%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4178, 0.4676, 0.3792 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 30.4178, 0.4676, 0.3792 by changing the saturation by 10% instead.


 30.4178, 0.4676,
0.3792


 30.4178, 0.4676,
0.3792


303.8471, 0.3854,
0.3583

 20.1559, 0.4887,
0.3821


 60.3223, 0.4371,
0.3731

 12.5084, 0.5155,
0.3841


 80.7337, 0.4257,
0.3703

 7.0909, 0.5501,
0.3832


 105.2970, 0.4163,
0.3678

 3.5190, 0.6128,
0.3864

 134.3967, 0.4082,
0.3655

 1.4083, 0.6513,
0.3487

 168.4172, 0.4013,
0.3634

 0.2229, 0.8118,
0.1882

207.7428, 0.3953,

 0.0000, 0.0000,

0.3615

0.0000

252.7580, 0.3900,
0.3598

■ 30.4178, 0.4676,
0.3792

■ 30.4178, 0.4676,
0.3792

■ 26.6367, 0.5035,
0.3827

■ 34.8504, 0.4333,
0.3728

■ 23.4691, 0.5385,
0.3822

■ 39.9603, 0.4022,
0.3646

■ 20.8799, 0.5693,
0.3767

■ 45.7774, 0.3749,
0.3558

■ 19.0206, 0.5915,
0.3685

■ 52.3285, 0.3514,
0.3468

■ 59.6388, 0.3313,
0.3381

■ 67.7323, 0.3144,
0.3299

■ 76.6318, 0.3001,
0.3223

■ 86.2406, 0.2890,
0.3171

■ 93.3383, 0.2894,
0.3289

Harmonies

Analogous

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



30.4178, 0.4473, 0.3221



30.4178, 0.4676, 0.3792



30.4178, 0.4405, 0.4339

Triad

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



30.4178, 0.4676, 0.3792



30.4178, 0.2379, 0.3975



30.4178, 0.2351, 0.2123

Complementary

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



30.4178, 0.4676, 0.3792



36.7415, 0.2244, 0.2659

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.



30.4178, 0.1927, 0.2169



30.4178, 0.4676, 0.3792



30.4178, 0.1931, 0.3136

Square

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



30.4178, 0.4676, 0.3792



30.4178, 0.3064, 0.4613



30.4178, 0.1784, 0.2496



30.4178, 0.3031, 0.2316

Rectangle

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



30.4178, 0.4676, 0.3792



30.4178, 0.4031, 0.4617



30.4178, 0.1784, 0.2496



30.4178, 0.2179, 0.2110

Sweetspot

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



30.4194, 0.4676, 0.3792



79.2046, 0.3452, 0.3442



24.0088, 0.3698, 0.2268



16.3087, 0.3514, 0.3468



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.



30.4194, 0.4676, 0.3792



37.5113, 0.5128, 0.3830



52.8520, 0.4143, 0.4494



13.0746, 0.3283, 0.3367



11.4340, 0.5887, 0.3707



0.8384, 0.5548, 0.3977

Inverse Universe

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



36.7415, 0.2244, 0.2659



47.2346, 0.2113, 0.2503



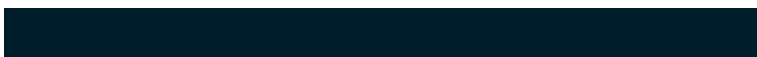
17.6177, 0.2017, 0.1657



13.3944, 0.2982, 0.3212



15.2455, 0.1943, 0.2196



1.0672, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 30.4178, 0.4676, 0.3792 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 30.4178, 0.4676, 0.3792 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 30.4178, 0.4676, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 30.4178, 0.4676, 0.3792.



This preview shows how white text looks on a background with the Yxy color 30.4178, 0.4676, 0.3792.

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

30.4178, 0.4676, 0.3792

Protanopia

30.4955, 0.3839, 0.4152

Deuteranopia

30.4293, 0.4226, 0.4139



Tritanopia

30.3465, 0.4206, 0.3185

Trichromacy



Original Color

30.4178, 0.4676, 0.3792

Protanomaly

30.1515, 0.4137, 0.4017

Deuteranomaly

30.2363, 0.4400, 0.4003

Tritanomaly

30.2636, 0.4397, 0.3414

Monochromacy



Original Color

30.4178, 0.4676, 0.3792

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.4147, 0.3655, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4178, 0.4676, 0.3792 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, 127, 84)` looks like.

```
.text, #text, p{  
    color:rgb(216, 127, 84)  
}
```

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, 127, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 127, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.4178, 0.4676, 0.3792 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, 127, 84) }
```

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

```
.border{ border-color:rgb(216, 127, 84) }
```

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

Here you see how a box with a 4 pixel rgb(216, 127, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 127, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 127, 84);  
box-shadow:4px 4px 4px 4px rgb(216, 127,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4178, 0.4676, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 127, 84) }
```

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

```
.background{ background-color: rgb(216,  
127, 84) }
```

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