

Converting Colors

$Y_{xy}(45.1056, 0.4646, 0.3804)$

Have a look what the booklet for
Yxy(45.1056, 0.4646, 0.3804)
contains.

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Color

Yxy(45.0018, 0.4648, 0.3801)

Conversions

Conversions Part 1

Format	Color
Hex	FF9966
RGB	255, 153, 102
RGB Percent	100%, 60%, 40%
CMY	0.0000, 0.4000, 0.5999
CMYK	0.00, 0.40, 0.60, 0.00
HSL	20°, 100%, 70%
HSV	20°, 60%, 100%
XYZ	55.0298, 45.0018, 18.3630
YIQ	177.6840, 77.1630, 5.7630

Conversions

Conversions Part 2

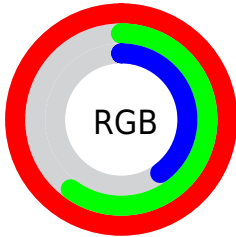
Format	Color
R _Y B	255, 179, 102
Decimal	16750950
CIE Lab	72.89, 33.57, 42.77
CIE LCh	73, 54.368, 51.867
Yxy	45.0018, 0.4648, 0.3801
Android (android.graphics.Color)	4294941030 (0xFFFF9966)
YUV	177.6840, -37.3122, 67.8061
Hunter-Lab	67.0834, 29.0312, 30.7287

Details

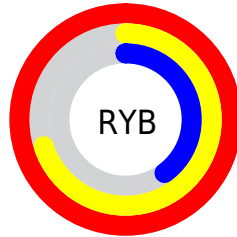
The Yxy color **45.0018, 0.4648, 0.3801** is a light color, and the websafe version is hex **FF9966**, and the color name is **pink-orange**. A complement of this color would be **53.2401, 0.2247, 0.2650**, and the grayscale version is **44.5181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7048, 0.3901, 0.3849**, and **21.0337, 0.5049, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **39.3985, 0.5007, 0.3840**, and if you desaturate by 10%, it is **51.5582, 0.4307, 0.3733**.

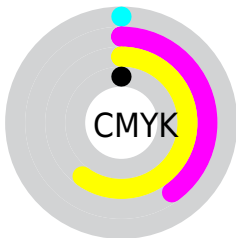
Distribution



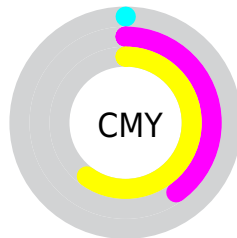
- Red (100%)
- Green (60%)
- Blue (40%)



- Red (100%)
- Yellow (70%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0018, 0.4648, 0.3801 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 45.0018, 0.4648, 0.3801 by changing the saturation by 10% instead.


 45.0018, 0.4648,
0.3801

 45.0018, 0.4648,
0.3801


366.7808, 0.3891,
0.3602


 31.4588, 0.4827,
0.3829


 82.7231, 0.4378,
0.3744

 20.9485, 0.5049,
0.3852


 107.6703, 0.4275,
0.3718

 13.0864, 0.5325,
0.3860


 137.1876, 0.4187,
0.3694

 7.4880, 0.5672,
0.3830

 171.6595, 0.4111,
0.3672

 3.7691, 0.6217,
0.3783

211.4704, 0.4045,
0.3652

 1.5453, 0.6604,
0.3396

257.0046, 0.3988,

 0.3203, 0.7831,

0.3634

0.2169

308.6467, 0.3936,
0.3618

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

45.0018, 0.4648,
0.3801

45.0018, 0.4648,
0.3801

39.3985, 0.5007,
0.3840

51.5582, 0.4307,
0.3733

34.6934, 0.5357,
0.3837

59.1052, 0.3997,
0.3648

30.8352, 0.5667,
0.3785

67.6863, 0.3726,
0.3556

27.7567, 0.5911,
0.3688

77.3402, 0.3493,
0.3463

■ 27.7535, 0.5912,
0.3688

■ 88.1036, 0.3295,
0.3374

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



45.0018, 0.4459, 0.3237



45.0018, 0.4648, 0.3801



45.0018, 0.4374, 0.4336

Triad

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



45.0018, 0.4648, 0.3801



45.0018, 0.2379, 0.3942



45.0018, 0.2377, 0.2143

Complementary

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



45.0018, 0.4648, 0.3801



53.2401, 0.2247, 0.2650

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.



45.0018, 0.1953, 0.2183



45.0018, 0.4648, 0.3801



45.0018, 0.1943, 0.3123

Square

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



45.0018, 0.4648, 0.3801



45.0018, 0.3050, 0.4577



45.0018, 0.1805, 0.2500



45.0018, 0.3052, 0.2337

Rectangle

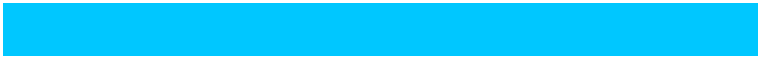
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0018, 0.4648, 0.3801



45.0018, 0.4003, 0.4603



45.0018, 0.1805, 0.2500



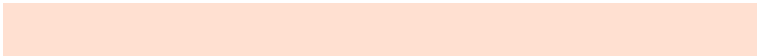
45.0018, 0.2205, 0.2128

Sweetspot

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



45.0041, 0.4648, 0.3801



79.3933, 0.3451, 0.3445



35.2509, 0.3691, 0.2274



16.3543, 0.3513, 0.3472



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.



45.0041, 0.4648, 0.3801



38.3825, 0.5079, 0.3843



77.1314, 0.4135, 0.4486



18.9760, 0.3286, 0.3370



14.7460, 0.5882, 0.3712



1.6270, 0.5662, 0.3886

Inverse Universe

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



53.2401, 0.2247, 0.2650



47.0748, 0.2117, 0.2496



26.0307, 0.2027, 0.1674



19.4015, 0.2980, 0.3209



19.0841, 0.1933, 0.2159



2.0592, 0.1973, 0.2303

Previews

White Background



This preview shows how the Yxy color 45.0018, 0.4648, 0.3801 looks on a white background.

Color Contrast Check

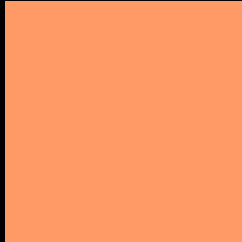
Large Text (above 18pt) WCAG AA × Fail

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 45.0018, 0.4648, 0.3801 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 45.0018, 0.4648, 0.3801

Background



This preview shows how black text looks on a background with the Yxy color 45.0018, 0.4648, 0.3801.



This preview shows how white text looks on a background with the Yxy color 45.0018, 0.4648, 0.3801.

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

45.0018, 0.4648, 0.3801

Protanopia

45.1458, 0.3843, 0.4150

Deuteranopia

45.0677, 0.4223, 0.4139



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

45.0018, 0.4648, 0.3801

Protanomaly

44.5839, 0.4129, 0.4029

Deuteranomaly

44.6076, 0.4387, 0.4009

Tritanomaly

44.9077, 0.4319, 0.3419

Monochromacy



Original Color

45.0018, 0.4648, 0.3801

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

43.6998, 0.3648, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0018, 0.4648, 0.3801 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(255, 153, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 102)  
}
```

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(255, 153, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 102) }
```

Border

The CSS property to change the border of an element to Yxy 45.0018, 0.4648, 0.3801 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(255, 153, 102) }
```

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

```
.border{ border-color:rgb(255, 153, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0018, 0.4648, 0.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 102) }
```

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

```
.background{ background-color: rgb(255,  
153, 102) }
```

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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