

# Converting Colors

$Y_{xy}(46.0363, 0.4721, 0.3728)$

Have a look what the booklet for  
Yxy(46.0363, 0.4721, 0.3728)  
contains.

<b>Yxy(44.0926, 0.4644, 0.3744)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.0926, 0.4644, 0.3744)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9669
RGB	255, 150, 105
RGB Percent	100%, 59%, 41%
CMY	0.0000, 0.4117, 0.5884
CMYK	0.00, 0.41, 0.59, 0.00
HSL	18°, 100%, 71%
HSV	18°, 59%, 100%
XYZ	54.6918, 44.0926, 18.9843
YIQ	176.2650, 77.0250, 8.2650

# Conversions

## Conversions Part 2

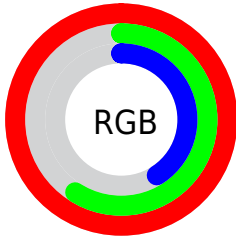
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 169, 105
Decimal	16750185
CIE <sub>Lab</sub>	72.29, 35.31, 40.49
CIE <sub>LCh</sub>	72, 53.729, 48.908
Yxy	44.0926, 0.4644, 0.3744
Android (android.graphics.Color)	4294940265 (0xFFFF9669)
YUV	176.2650, -35.1336, 69.0506
Hunter-Lab	66.4023, 30.8164, 29.5307

# Details

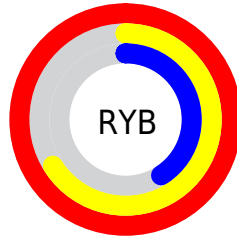
The Yxy color **44.0926, 0.4644, 0.3744** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **56.2855, 0.2275, 0.2730**, and the grayscale version is **43.7190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3570, 0.3890, 0.3789**, and **20.4902, 0.5054, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **38.3788, 0.5017, 0.3780**, and if you desaturate by 10%, it is **50.8351, 0.4293, 0.3682**.

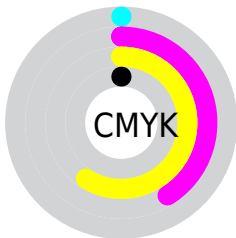
# Distribution



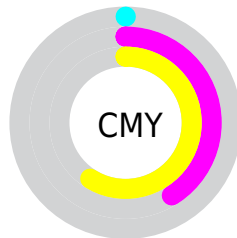
- Red (100%)
- Green (59%)
- Blue (41%)



- Red (100%)
- Yellow (66%)
- Blue (41%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (0%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0926, 0.4644, 0.3744 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 44.0926, 0.4644, 0.3744 by changing the saturation by 10% instead.





 44.0926, 0.4644,  
0.3744


 44.0926, 0.4644,  
0.3744


363.0860, 0.3884,  
0.3571


 30.7433, 0.4826,  
0.3767


 81.3571, 0.4372,  
0.3696

 20.4035, 0.5053,  
0.3784


 106.0410, 0.4268,  
0.3673

 12.6887, 0.5338,  
0.3785


 135.2720, 0.4180,  
0.3652

 7.2145, 0.5700,  
0.3747

 169.4344, 0.4104,  
0.3633

 3.5966, 0.6297,  
0.3703

208.9126, 0.4038,  
0.3615

 1.4506, 0.6709,  
0.3291

254.0910, 0.3980,

 0.2536, 0.8169,

0.3599

0.1831

305.3540, 0.3929,  
0.3585

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.0926, 0.4644,  
0.3744

■ 44.0926, 0.4644,  
0.3744

■ 38.3788, 0.5017,  
0.3780

■ 50.8351, 0.4293,  
0.3682

■ 33.6334, 0.5386,  
0.3777

■ 58.6488, 0.3978,  
0.3604

■ 29.7992, 0.5713,  
0.3727

■ 67.5819, 0.3704,  
0.3521

■ 26.8054, 0.5968,  
0.3634

■ 77.6777, 0.3471,  
0.3437

 26.5049, 0.5994,  
0.3622

 88.9767, 0.3275,  
0.3357

99.9978, 0.3127,  
0.3290

# Harmonies

## Analogous

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



44.0926, 0.4408, 0.3184



44.0926, 0.4644, 0.3744



44.0926, 0.4413, 0.4284

# Triad

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



44.0926, 0.4644, 0.3744



44.0926, 0.2441, 0.4017



44.0926, 0.2327, 0.2141

# Complementary

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



44.0926, 0.4644, 0.3744



56.2855, 0.2275, 0.2730

# 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.



44.0926, 0.1931, 0.2206



44.0926, 0.4644, 0.3744



44.0926, 0.1978, 0.3200

# Square

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



44.0926, 0.4644, 0.3744



44.0926, 0.3123, 0.4605



44.0926, 0.1811, 0.2552



44.0926, 0.2978, 0.2313



# Rectangle

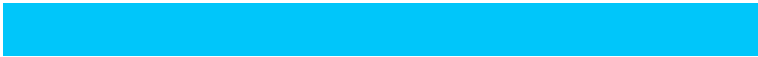
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



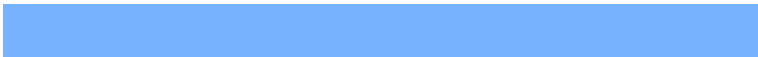
44.0926, 0.4644, 0.3744



44.0926, 0.4061, 0.4566



44.0926, 0.1811, 0.2552



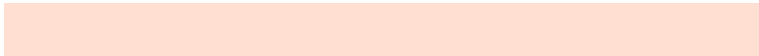
44.0926, 0.2165, 0.2134

# Sweetspot

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



44.0949, 0.4644, 0.3744



78.5809, 0.3454, 0.3430



36.0071, 0.3647, 0.2268



16.1583, 0.3517, 0.3454



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.



44.0949, 0.4644, 0.3744



37.2741, 0.5099, 0.3783



76.1192, 0.4131, 0.4448



18.8761, 0.3287, 0.3362



14.0774, 0.5965, 0.3646



1.5522, 0.5744, 0.3821



# Inverse Universe

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



56.2855, 0.2275, 0.2730



50.2778, 0.2147, 0.2591



27.5413, 0.2055, 0.1740



19.5064, 0.2980, 0.3217



20.7741, 0.1966, 0.2278



2.2143, 0.2002, 0.2407



# Previews

## White Background



This preview shows how the Yxy color 44.0926, 0.4644, 0.3744 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 44.0926, 0.4644, 0.3744 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 44.0926, 0.4644, 0.3744**

## Background



This preview shows how black text looks on a background with the Yxy color 44.0926, 0.4644, 0.3744.



This preview shows how white text looks on a background with the Yxy color 44.0926, 0.4644, 0.3744.

# 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

44.0926, 0.4644, 0.3744

### Protanopia

44.4161, 0.3795, 0.4111

### Deuteranopia

44.0672, 0.4194, 0.4093



## Tritanopia

44.1843, 0.4158, 0.3199

# Trichromacy



**Original Color**

44.0926, 0.4644, 0.3744

**Protanomaly**

43.7519, 0.4107, 0.3976

**Deuteranomaly**

43.7889, 0.4367, 0.3961

**Tritanomaly**

43.9336, 0.4345, 0.3398

# Monochromacy



**Original Color**

44.0926, 0.4644, 0.3744

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

42.8186, 0.3645, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0926, 0.4644, 0.3744 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, 150, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 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(255, 150, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0926, 0.4644, 0.3744 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, 150, 105) }
```

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

```
.border{ border-color:rgb(255, 150, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 150, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0926, 0.4644, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 105) }
```

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

```
.background{ background-color: rgb(255,  
150, 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](#).

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