

# Converting Colors

$Y_{xy}(44.5550, 0.4511, 0.3975)$

Have a look what the booklet for  
Yxy(44.5550, 0.4511, 0.3975)  
contains.

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# Color

**Yxy(44.5114, 0.4515, 0.3970)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0A060
RGB	240, 160, 96
RGB Percent	94%, 63%, 38%
CMY	0.0587, 0.3726, 0.6236
CMYK	0.00, 0.33, 0.60, 0.06
HSL	27°, 83%, 66%
HSV	27°, 60%, 94%
XYZ	50.6219, 44.5114, 16.9861
YIQ	176.6240, 68.2240, -2.9440

# Conversions

## Conversions Part 2

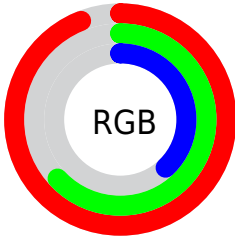
Format	Color
R <sub>Y</sub> B	240, 211, 96
Decimal	15769696
CIE Lab	72.57, 23.53, 45.04
CIE LCh	73, 50.817, 62.415
Yxy	44.5114, 0.4515, 0.3970
Android (android.graphics.Color)	4293959776 (0xFFFF0A060)
YUV	176.6240, -39.7476, 55.5808
Hunter-Lab	66.7169, 18.6837, 31.6066

# Details

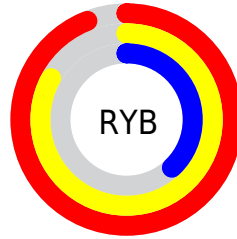
The Yxy color **44.5114, 0.4515, 0.3970** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **39.8329, 0.2198, 0.2427**, and the grayscale version is **43.9452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9990, 0.3915, 0.3976**, and **20.6337, 0.4871, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **39.7589, 0.4819, 0.4034**, and if you desaturate by 10%, it is **49.8993, 0.4220, 0.3875**.

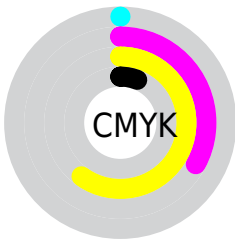
# Distribution



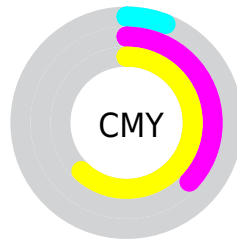
- Red (94%)
- Green (63%)
- Blue (38%)



- Red (94%)
- Yellow (83%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (60%)
- Black (6%)




- Cyan (6%)
- Magenta (37%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5114, 0.4515, 0.3970 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 44.5114, 0.4515, 0.3970 by changing the saturation by 10% instead.





 44.5114, 0.4515,  
0.3970


 44.5114, 0.4515,  
0.3970


364.7911, 0.3828,  
0.3679

 31.0728, 0.4676,  
0.4022


 81.9867, 0.4271,  
0.3879

 20.6543, 0.4873,  
0.4074


 106.7922, 0.4178,  
0.3840

 12.8715, 0.5117,  
0.4120


 136.1554, 0.4098,  
0.3806

 7.3401, 0.5419,  
0.4142

 170.4607, 0.4029,  
0.3775

 3.6757, 0.5857,  
0.4143

210.0925, 0.3969,  
0.3747

 1.4939, 0.6163,  
0.3837

255.4353, 0.3916,

 0.2844, 0.7481,

0.3722

0.2519

306.8733, 0.3869,  
0.3700

0.0000, 0.0000,  
0.0000

44.5114, 0.4515,  
0.3970

44.5114, 0.4515,  
0.3970

39.7589, 0.4819,  
0.4034

49.8993, 0.4220,  
0.3875

35.6067, 0.5114,  
0.4055

55.9418, 0.3946,  
0.3762

32.0256, 0.5377,  
0.4022

62.6654, 0.3699,  
0.3641

28.9751, 0.5596,  
0.3939

70.0929, 0.3481,  
0.3519

78.2458, 0.3291,  
0.3401

■ 87.1448, 0.3127,  
0.3290

■ 96.2162, 0.3036,  
0.3274

■ 97.2688, 0.3036,  
0.3290

# Harmonies

## Analogous

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



44.5114, 0.4492, 0.3434



44.5114, 0.4515, 0.3970



44.5114, 0.4138, 0.4428

# Triad

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



44.5114, 0.4515, 0.3970



44.5114, 0.2249, 0.3630



44.5114, 0.2622, 0.2244

# Complementary

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



44.5114, 0.4515, 0.3970



39.8329, 0.2198, 0.2427

# 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.



44.5114, 0.2128, 0.2201



44.5114, 0.4515, 0.3970



44.5114, 0.1929, 0.2902

# Square

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



44.5114, 0.4515, 0.3970



44.5114, 0.2822, 0.4327



44.5114, 0.1892, 0.2410



44.5114, 0.3319, 0.2499



# Rectangle

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



44.5114, 0.4515, 0.3970



44.5114, 0.3739, 0.4599



44.5114, 0.1892, 0.2410



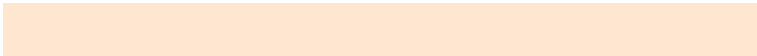
44.5114, 0.2430, 0.2204

# Sweetspot

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



44.5136, 0.4515, 0.3970



82.1834, 0.3442, 0.3496



30.0906, 0.3900, 0.2439



17.0298, 0.3501, 0.3531



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.



44.5136, 0.4515, 0.3970



44.5008, 0.4886, 0.4043



76.1995, 0.4030, 0.4620



16.9152, 0.3282, 0.3395



16.1146, 0.5569, 0.3960



1.5360, 0.5343, 0.4139



# Inverse Universe

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



39.8329, 0.2198, 0.2427



38.6176, 0.2046, 0.2213



19.0020, 0.1983, 0.1468



16.6852, 0.2980, 0.3182



12.9478, 0.1825, 0.1768



1.2753, 0.1885, 0.1986



# Previews

## White Background



This preview shows how the Yxy color 44.5114, 0.4515, 0.3970 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 44.5114, 0.4515, 0.3970 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

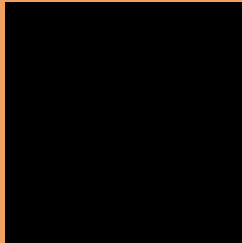
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5114, 0.4515, 0.3970**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5114, 0.4515, 0.3970.



This preview shows how white text looks on a background with the Yxy color 44.5114, 0.4515, 0.3970.

# 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

44.5114, 0.4515, 0.3970

### Protanopia

44.9353, 0.3921, 0.4268

### Deuteranopia

44.6177, 0.4262, 0.4169



## Tritanopia

44.5133, 0.3955, 0.3172

# Trichromacy



## Original Color

44.5114, 0.4515, 0.3970

## Protanomaly

44.4222, 0.4134, 0.4154

## Deuteranomaly

44.4296, 0.4358, 0.4087

## Tritanomaly

44.3615, 0.4171, 0.3469

# Monochromacy



## Original Color

44.5114, 0.4515, 0.3970

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.5433, 0.3602, 0.3587

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5114, 0.4515, 0.3970 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(240, 160, 96)` looks like.

```
.text, #text, p{  
    color:rgb(240, 160, 96)  
}
```

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(240, 160, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 160, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5114, 0.4515, 0.3970 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(240, 160, 96) }
```

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

```
.border{ border-color:rgb(240, 160, 96) }
```

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

Here you see how a box with a 4 pixel rgb(240, 160, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 160, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 160, 96);  
box-shadow:4px 4px 4px 4px rgb(240, 160,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5114, 0.4515, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 160, 96) }
```

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

```
.background{ background-color: rgb(240,  
160, 96) }
```

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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