

# Converting Colors

$Y_{xy}(46.3240, 0.4515, 0.3906)$

Have a look what the booklet for  
Yxy(46.3240, 0.4515, 0.3906)  
contains.

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# Color

**Yxy(46.2232, 0.4519, 0.3904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7A166
RGB	247, 161, 102
RGB Percent	97%, 63%, 40%
CMY	0.0313, 0.3686, 0.6000
CMYK	0.00, 0.35, 0.59, 0.03
HSL	24°, 90%, 68%
HSV	24°, 59%, 97%
XYZ	53.5048, 46.2232, 18.6716
YIQ	179.9880, 70.1950, -0.1170

# Conversions

## Conversions Part 2

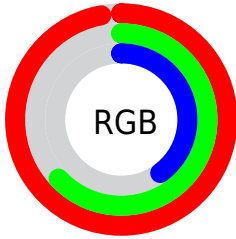
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 201, 102
Decimal	16228710
CIE Lab	73.69, 26.25, 43.52
CIE LCh	74, 50.827, 58.904
Yxy	46.2232, 0.4519, 0.3904
Android (android.graphics.Color)	4294418790 (0xFFF7A166)
YUV	179.9880, -38.4481, 58.7695
Hunter-Lab	67.9876, 21.4972, 31.3084

# Details

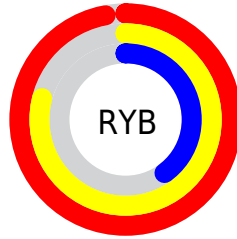
The Yxy color **46.2232, 0.4519, 0.3904** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **45.5137, 0.2231, 0.2522**, and the grayscale version is **45.8184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7048, 0.3868, 0.3927**, and **21.7591, 0.4879, 0.3990** is the 20% darker color. If you saturate the color by 10%, you get **40.9819, 0.4841, 0.3964**, and if you desaturate by 10%, it is **52.2152, 0.4211, 0.3815**.

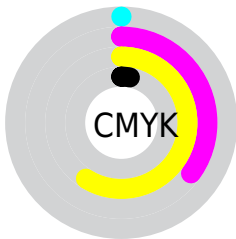
# Distribution



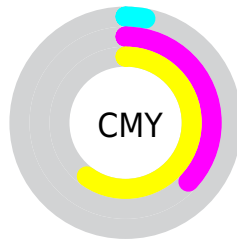
- Red (97%)
- Green (63%)
- Blue (40%)



- Red (97%)
- Yellow (79%)
- Blue (40%)



- Cyan (0%)
- Magenta (35%)
- Yellow (59%)
- Black (3%)




- Cyan (3%)
- Magenta (37%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2232, 0.4519, 0.3904 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 46.2232, 0.4519, 0.3904 by changing the saturation by 10% instead.





 46.2232, 0.4519,  
0.3904

 46.2232, 0.4519,  
0.3904


371.7053, 0.3831,  
0.3647


 32.4220, 0.4681,  
0.3948


 84.5529, 0.4275,  
0.3825


 21.6840, 0.4879,  
0.3993


 109.8503, 0.4181,  
0.3791

 13.6249, 0.5127,  
0.4030


 139.7484, 0.4101,  
0.3760

 7.8603, 0.5434,  
0.4042

 174.6318, 0.4032,  
0.3733

 4.0057, 0.5933,  
0.4067

214.8847, 0.3972,  
0.3708

 1.6767, 0.6246,  
0.3754

260.8917, 0.3919,

 0.4085, 0.7186,

0.3686

0.2814

313.0371, 0.3873,  
0.3666

0.0000, 0.0000,  
0.0000

46.2232, 0.4519,  
0.3904

46.2232, 0.4519,  
0.3904

40.9819, 0.4841,  
0.3964

52.2152, 0.4211,  
0.3815

36.4503, 0.5158,  
0.3983

58.9823, 0.3929,  
0.3710

32.5931, 0.5444,  
0.3949


66.5561, 0.3678,  
0.3598


29.3639, 0.5679,  
0.3863

74.9642, 0.3459,  
0.3486

28.9871, 0.5707,  
0.3850

84.2329, 0.3270,  
0.3379

 94.3869, 0.3108,  
0.3277

 98.5168, 0.3078,  
0.3290

# Harmonies

## Analogous

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



46.2232, 0.4444, 0.3372



46.2232, 0.4519, 0.3904



46.2232, 0.4187, 0.4372

# Triad

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



46.2232, 0.4519, 0.3904



46.2232, 0.2314, 0.3716



46.2232, 0.2559, 0.2238

# Complementary

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



46.2232, 0.4519, 0.3904



45.5137, 0.2231, 0.2522

# 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.



46.2232, 0.2098, 0.2224



46.2232, 0.4519, 0.3904



46.2232, 0.1964, 0.2982

# Square

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



46.2232, 0.4519, 0.3904



46.2232, 0.2904, 0.4372



46.2232, 0.1895, 0.2462



46.2232, 0.3231, 0.2468



# Rectangle

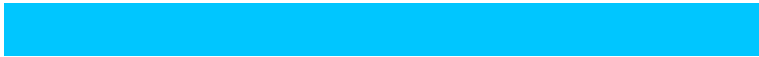
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.2232, 0.4519, 0.3904



46.2232, 0.3808, 0.4566



46.2232, 0.1895, 0.2462



46.2232, 0.2378, 0.2207

# Sweetspot

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



46.2255, 0.4519, 0.3904



81.2312, 0.3445, 0.3479



32.9539, 0.3817, 0.2405



16.7988, 0.3505, 0.3511



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.



46.2255, 0.4519, 0.3904



43.3227, 0.4887, 0.3970



78.7386, 0.4042, 0.4562



17.5895, 0.3283, 0.3387



15.5904, 0.5678, 0.3874



1.5667, 0.5451, 0.4054

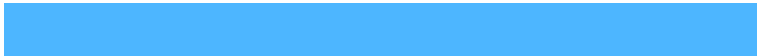


# Inverse Universe

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



45.5137, 0.2231, 0.2522



42.3875, 0.2092, 0.2341



22.1475, 0.2019, 0.1565



17.5611, 0.2980, 0.3191



14.7930, 0.1861, 0.1898



1.5018, 0.1914, 0.2090



# Previews

## White Background



This preview shows how the Yxy color 46.2232, 0.4519, 0.3904 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 46.2232, 0.4519, 0.3904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

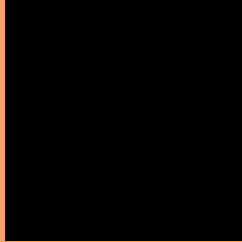
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.2232, 0.4519, 0.3904**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2232, 0.4519, 0.3904.



This preview shows how white text looks on a background with the Yxy color 46.2232, 0.4519, 0.3904.

# 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

46.2232, 0.4519, 0.3904

### Protanopia

46.5658, 0.3870, 0.4212

### Deuteranopia

46.3176, 0.4229, 0.4140



## Tritanopia

46.1945, 0.3996, 0.3165

# Trichromacy



**Original Color**

46.2232, 0.4519, 0.3904

**Protanomaly**

45.9116, 0.4111, 0.4098

**Deuteranomaly**

46.2850, 0.4333, 0.4056

**Tritanomaly**

46.0539, 0.4201, 0.3443

# Monochromacy



**Original Color**

46.2232, 0.4519, 0.3904

**Achromatopsia**

45.6411, 0.3127, 0.3290

**Achromatomaly**

44.9915, 0.3598, 0.3557

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2232, 0.4519, 0.3904 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(247, 161, 102)` looks like.

```
.text, #text, p{  
    color:rgb(247, 161, 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(247, 161, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 161, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2232, 0.4519, 0.3904 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(247, 161, 102) }
```

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

```
.border{ border-color:rgb(247, 161, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 161, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 161, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 161, 102); box-shadow:4px 4px 4px 4px rgb(247, 161, 102) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2232, 0.4519, 0.3904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 161, 102) }
```

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

```
.background{ background-color: rgb(247,  
161, 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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