

Converting Colors

$Y_{xy}(46.7039, 0.4433, 0.3947)$

Have a look what the booklet for
Yxy(46.7039, 0.4433, 0.3947)
contains.

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Color

Yxy(46.7668, 0.4437, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	F2A567
RGB	242, 165, 103
RGB Percent	95%, 65%, 40%
CMY	0.0510, 0.3529, 0.5962
CMYK	0.00, 0.32, 0.57, 0.05
HSL	27°, 84%, 68%
HSV	27°, 57%, 95%
XYZ	52.5194, 46.7668, 19.0808
YIQ	180.9550, 65.7940, -2.9580

Conversions

Conversions Part 2

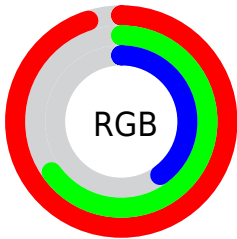
Format	Color
R _Y B	242, 215, 103
Decimal	15902055
CIE Lab	74.04, 22.19, 43.32
CIE LCh	74, 48.675, 62.877
Yxy	46.7668, 0.4437, 0.3951
Android (android.graphics.Color)	4294092135 (0xFFFF2A567)
YUV	180.9550, -38.4318, 53.5365
Hunter-Lab	68.3863, 17.4089, 31.3276

Details

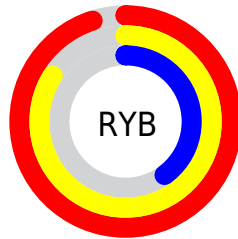
The Yxy color **46.7668, 0.4437, 0.3951** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.9156, 0.2232, 0.2467**, and the grayscale version is **46.3677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8130, 0.3846, 0.3955**, and **22.0217, 0.4766, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **41.7678, 0.4740, 0.4025**, and if you desaturate by 10%, it is **52.4176, 0.4147, 0.3850**.

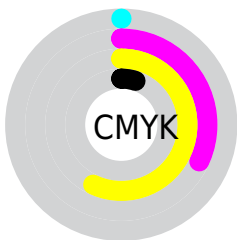
Distribution



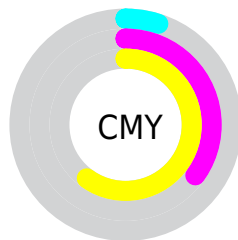
- Red (95%)
- Green (65%)
- Blue (40%)



- Red (95%)
- Yellow (84%)
- Blue (40%)



- Cyan (0%)
- Magenta (32%)
- Yellow (57%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7668, 0.4437, 0.3951 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 46.7668, 0.4437, 0.3951 by changing the saturation by 10% instead.


 46.7668, 0.4437,
0.3951

 46.7668, 0.4437,
0.3951


373.8829, 0.3792,
0.3666


 32.8513, 0.4588,
0.4004


 85.3654, 0.4208,
0.3860


 22.0126, 0.4774,
0.4060


 110.8174, 0.4121,
0.3822

 13.8661, 0.5005,
0.4114


 140.8836, 0.4046,
0.3788

 8.0276, 0.5292,
0.4150

 175.9485, 0.3981,
0.3758

 4.1126, 0.5774,
0.4226

216.3965, 0.3924,
0.3731

 1.7368, 0.6044,
0.3956

262.6120, 0.3875,

 0.4473, 0.6851,

0.3707

0.3149

314.9793, 0.3831,
0.3685

0.0000, 0.0000,
0.0000

46.7668, 0.4437,
0.3951

46.7668, 0.4437,
0.3951

41.7678, 0.4740,
0.4025

52.4176, 0.4147,
0.3850

37.3855, 0.5038,
0.4058

58.7391, 0.3880,
0.3733

33.5912, 0.5311,
0.4039

65.7577, 0.3641,
0.3611

30.3485, 0.5538,
0.3966

73.4963, 0.3430,
0.3490

29.6008, 0.5591,
0.3943

81.9764, 0.3247,
0.3373

91.2186, 0.3089,
0.3263

97.6169, 0.3047,
0.3290

Harmonies

Analogous

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



46.7668, 0.4417, 0.3442



46.7668, 0.4437, 0.3951



46.7668, 0.4081, 0.4375

Triad

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



46.7668, 0.4437, 0.3951



46.7668, 0.2291, 0.3601



46.7668, 0.2660, 0.2297

Complementary

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



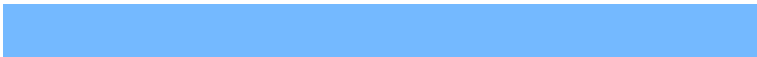
46.7668, 0.4437, 0.3951



41.9156, 0.2232, 0.2467

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.



46.7668, 0.2184, 0.2255



46.7668, 0.4437, 0.3951



46.7668, 0.1987, 0.2919

Square

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



46.7668, 0.4437, 0.3951



46.7668, 0.2833, 0.4252



46.7668, 0.1955, 0.2454



46.7668, 0.3321, 0.2544

Rectangle

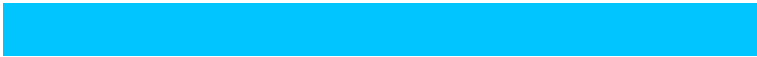
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7668, 0.4437, 0.3951



46.7668, 0.3702, 0.4526



46.7668, 0.1955, 0.2454



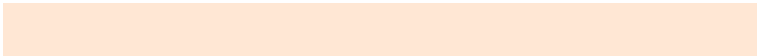
46.7668, 0.2476, 0.2259

Sweetspot

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



46.7691, 0.4437, 0.3951



83.1451, 0.3422, 0.3485



31.9373, 0.3853, 0.2467



17.4050, 0.3462, 0.3509



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.



46.7691, 0.4437, 0.3951



46.1323, 0.4792, 0.4034



77.9802, 0.3998, 0.4577



16.9201, 0.3282, 0.3396



16.1656, 0.5563, 0.3965



1.5404, 0.5339, 0.4143

Inverse Universe

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



41.9156, 0.2232, 0.2467



40.1239, 0.2080, 0.2261



20.9319, 0.2033, 0.1551



16.6802, 0.2980, 0.3182



12.8813, 0.1823, 0.1762



1.2699, 0.1883, 0.1980

Previews

White Background



This preview shows how the Yxy color 46.7668, 0.4437, 0.3951 looks on a white background.

Color Contrast Check

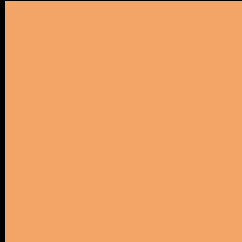
Large Text (above 18pt) WCAG AA × Fail

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 46.7668, 0.4437, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

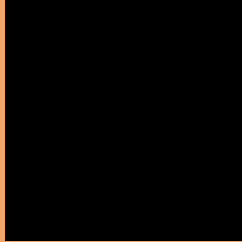
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7668, 0.4437, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 46.7668, 0.4437, 0.3951.



This preview shows how white text looks on a background with the Yxy color 46.7668, 0.4437, 0.3951.

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

46.7668, 0.4437, 0.3951

Protanopia

46.8394, 0.3889, 0.4206

Deuteranopia

46.8997, 0.4216, 0.4126



Tritanopia

46.7527, 0.3894, 0.3162

Trichromacy



Original Color

46.7668, 0.4437, 0.3951

Protanomaly

46.5593, 0.4081, 0.4112

Deuteranomaly

46.9081, 0.4293, 0.4061

Tritanomaly

46.5984, 0.4105, 0.3457

Monochromacy



Original Color

46.7668, 0.4437, 0.3951

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6564, 0.3574, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7668, 0.4437, 0.3951 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(242, 165, 103)` looks like.

```
.text, #text, p{  
    color:rgb(242, 165, 103)  
}
```

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(242, 165, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 165, 103) }
```

Border

The CSS property to change the border of an element to Yxy 46.7668, 0.4437, 0.3951 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(242, 165, 103) }
```

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

```
.border{ border-color:rgb(242, 165, 103) }
```

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

Here you see how a box with a 4 pixel rgb(242, 165, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 165, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 165, 103);  
box-shadow:4px 4px 4px 4px rgb(242, 165,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7668, 0.4437, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 165, 103) }
```

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

```
.background{ background-color: rgb(242,  
165, 103) }
```

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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