

Converting Colors

$Y_{xy}(46.2350, 0.4649, 0.4028)$

Have a look what the booklet for
Yxy(46.2350, 0.4649, 0.4028)
contains.

Yxy(46.1343, 0.4647, 0.4032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.1343, 0.4647, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	F8A157
RGB	248, 161, 87
RGB Percent	97%, 63%, 34%
CMY	0.0275, 0.3686, 0.6589
CMYK	0.00, 0.35, 0.65, 0.03
HSL	28°, 92%, 66%
HSV	28°, 65%, 97%
XYZ	53.1712, 46.1343, 15.1149
YIQ	178.5770, 75.6060, -4.5700

Conversions

Conversions Part 2

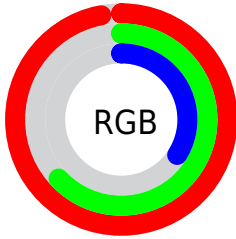
Format	Color
R _Y B	248, 224, 87
Decimal	16294231
CIE Lab	73.63, 25.64, 50.98
CIE LCh	74, 57.066, 63.302
Yxy	46.1343, 0.4647, 0.4032
Android (android.graphics.Color)	4294484311 (0xFFFF8A157)
YUV	178.5770, -45.1475, 60.8840
Hunter-Lab	67.9222, 20.8702, 34.3516

Details

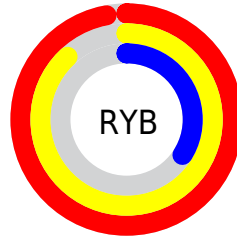
The Yxy color **46.1343, 0.4647, 0.4032** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **39.0529, 0.2124, 0.2304**, and the grayscale version is **45.0576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2358, 0.3973, 0.4073**, and **21.6294, 0.5018, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **41.3644, 0.4942, 0.4079**, and if you desaturate by 10%, it is **51.5496, 0.4352, 0.3947**.

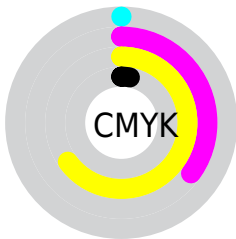
Distribution



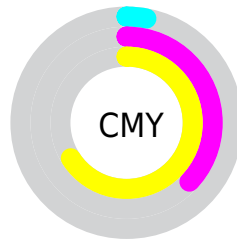
- Red (97%)
- Green (63%)
- Blue (34%)



- Red (97%)
- Yellow (88%)
- Blue (34%)



- Cyan (0%)
- Magenta (35%)
- Yellow (65%)
- Black (3%)




- Cyan (3%)
- Magenta (37%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1343, 0.4647, 0.4032 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 46.1343, 0.4647, 0.4032 by changing the saturation by 10% instead.

 46.1343, 0.4647,
0.4032


 46.1343, 0.4647,
0.4032


371.3483, 0.3907,
0.3727

 32.3518, 0.4815,
0.4081


 84.4200, 0.4389,
0.3940


 21.6304, 0.5017,
0.4127


 109.6919, 0.4288,
0.3900


 13.5855, 0.5259,
0.4160


 139.5625, 0.4201,
0.3864

 7.8330, 0.5568,
0.4171

 174.4161, 0.4126,
0.3831

 3.9883, 0.5911,
0.4089

 214.6370, 0.4061,
0.3801

 1.6670, 0.6220,
0.3780

260.6098, 0.4003,

 0.4022, 0.7171,

0.3774

0.2829

312.7188, 0.3952,
0.3750

0.0000, 0.0000,
0.0000

46.1343, 0.4647,
0.4032

46.1343, 0.4647,
0.4032

41.3644, 0.4942,
0.4079

51.5496, 0.4352,
0.3947

37.2023, 0.5216,
0.4077

57.6311, 0.4071,
0.3838


33.6152, 0.5450,
0.4018

64.4069, 0.3813,
0.3715


31.9953, 0.5553,
0.3973

71.9012, 0.3583,
0.3589

80.1367, 0.3381,
0.3465

 89.1352, 0.3205,
0.3346

 98.5532, 0.3084,
0.3288

 98.6930, 0.3084,
0.3290

Harmonies

Analogous

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



46.1343, 0.4648, 0.3449



46.1343, 0.4647, 0.4032



46.1343, 0.4210, 0.4545

Triad

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



46.1343, 0.4647, 0.4032



46.1343, 0.2143, 0.3638



46.1343, 0.2588, 0.2155

Complementary

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



46.1343, 0.4647, 0.4032



39.0529, 0.2124, 0.2304

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.



46.1343, 0.2045, 0.2098



46.1343, 0.4647, 0.4032



46.1343, 0.1811, 0.2829

Square

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



46.1343, 0.4647, 0.4032



46.1343, 0.2759, 0.4438



46.1343, 0.1785, 0.2307



46.1343, 0.3359, 0.2437

Rectangle

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



46.1343, 0.4647, 0.4032



46.1343, 0.3764, 0.4745



46.1343, 0.1785, 0.2307



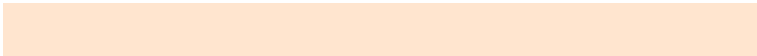
46.1343, 0.2377, 0.2109

Sweetspot

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



46.1366, 0.4647, 0.4032



81.6874, 0.3461, 0.3515



29.8826, 0.4032, 0.2415



16.9491, 0.3519, 0.3551



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.



46.1366, 0.4647, 0.4032



42.5897, 0.5033, 0.4084



82.9206, 0.4072, 0.4719



18.5404, 0.3282, 0.3399



17.5602, 0.5527, 0.3994



1.8358, 0.5327, 0.4152

Inverse Universe

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



39.0529, 0.2124, 0.2304



34.4489, 0.1971, 0.2065



16.9917, 0.1881, 0.1280



18.1964, 0.2980, 0.3178



13.1495, 0.1809, 0.1712



1.4300, 0.1865, 0.1915

Previews

White Background



This preview shows how the Yxy color 46.1343, 0.4647, 0.4032 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 46.1343, 0.4647, 0.4032 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 46.1343, 0.4647, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 46.1343, 0.4647, 0.4032.



This preview shows how white text looks on a background with the Yxy color 46.1343, 0.4647, 0.4032.

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

46.1343, 0.4647, 0.4032

Protanopia

46.1353, 0.4006, 0.4362

Deuteranopia

46.3745, 0.4358, 0.4274



Tritanopia

46.0195, 0.4020, 0.3165

Trichromacy



Original Color

46.1343, 0.4647, 0.4032

Protanomaly

45.7791, 0.4236, 0.4249

Deuteranomaly

46.3554, 0.4464, 0.4187

Tritanomaly

45.7295, 0.4276, 0.3495

Monochromacy



Original Color

46.1343, 0.4647, 0.4032

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.4177, 0.3656, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1343, 0.4647, 0.4032 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(248, 161, 87)` looks like.

```
.text, #text, p{  
    color:rgb(248, 161, 87)  
}
```

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(248, 161, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 161, 87) }
```

Border

The CSS property to change the border of an element to Yxy 46.1343, 0.4647, 0.4032 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(248, 161, 87) }
```

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

```
.border{ border-color:rgb(248, 161, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 161, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 161, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 161, 87);  
box-shadow:4px 4px 4px 4px rgb(248, 161,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1343, 0.4647, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 161, 87) }
```

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

```
.background{ background-color: rgb(248,  
161, 87) }
```

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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