

Converting Colors

$Y_{xy}(47.0677, 0.4760, 0.4350)$

Have a look what the booklet for
Yxy(47.0677, 0.4760, 0.4350)
contains.

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Color

Yxy(46.9401, 0.4762, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	F3A734
RGB	243, 167, 52
RGB Percent	95%, 65%, 20%
CMY	0.0471, 0.3451, 0.7962
CMYK	0.00, 0.31, 0.79, 0.05
HSL	36°, 89%, 58%
HSV	36°, 79%, 95%
XYZ	51.3977, 46.9401, 9.5953
YIQ	176.6140, 82.2110, -19.6530

Conversions

Conversions Part 2

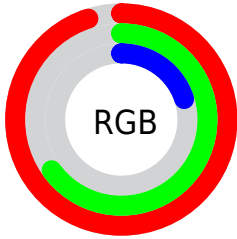
Format	Color
RYB	178, 243, 52
Decimal	15968052
CIELab	74.15, 18.77, 66.43
CIELCh	74, 69.033, 74.223
Yxy	46.9401, 0.4762, 0.4349
Android (android.graphics.Color)	4294158132 (0xFFFF3A734)
YUV	176.6140, -61.4347, 58.2205
Hunter-Lab	68.5128, 14.0117, 39.6554

Details

The Yxy color **46.9401, 0.4762, 0.4349** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **22.6224, 0.1864, 0.1667**, and the grayscale version is **44.0487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5641, 0.4138, 0.4407**, and **22.2066, 0.5027, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **43.3670, 0.4953, 0.4359**, and if you desaturate by 10%, it is **50.8952, 0.4544, 0.4288**.

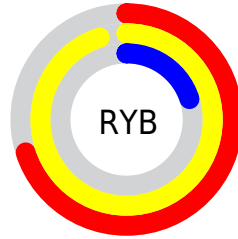
Distribution



Red (95%)

Green (65%)

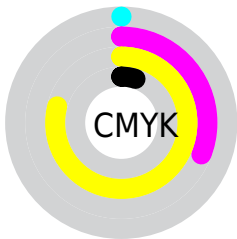
Blue (20%)



Red (70%)

Yellow (95%)

Blue (20%)

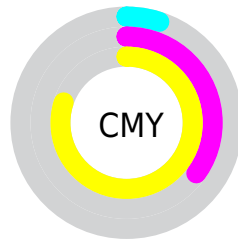


Cyan (0%)

Magenta (31%)

Yellow (79%)

Black (5%)



Cyan (5%)


Magenta (35%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9401, 0.4762, 0.4349 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 46.9401, 0.4762, 0.4349 by changing the saturation by 10% instead.


 46.9401, 0.4762,
0.4349


 46.9401, 0.4762,
0.4349


374.5754, 0.4004,
0.3922

 32.9883, 0.4915,
0.4412


 85.6242, 0.4511,
0.4225


 22.1175, 0.5087,
0.4467


 111.1253, 0.4409,
0.4169

 13.9433, 0.5278,
0.4503


 141.2450, 0.4319,
0.4117

 8.0812, 0.5496,
0.4504

 176.3676, 0.4240,
0.4070

 4.1470, 0.5642,
0.4358

 216.8775, 0.4171,
0.4028

 1.7561, 0.5876,
0.4124

 263.1592, 0.4109,

 0.4596, 0.6610,

0.3989

0.3390

315.5970, 0.4054,
0.3954

0.0000, 0.0000,
0.0000

46.9401, 0.4762,
0.4349

46.9401, 0.4762,
0.4349

43.3670, 0.4953,
0.4359

50.8952, 0.4544,
0.4288

40.1409, 0.5109,
0.4316


55.2458, 0.4311,
0.4184


39.7173, 0.5130,
0.4309

60.0125, 0.4076,
0.4051


65.2120, 0.3849,
0.3898

70.8595, 0.3636,
0.3737

 76.9691, 0.3440,
0.3576

 83.5543, 0.3264,
0.3419

 90.6278, 0.3106,
0.3270

 97.1522, 0.3054,
0.3280

Harmonies

Analogous

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



46.9401, 0.5007, 0.3677



46.9401, 0.4762, 0.4349



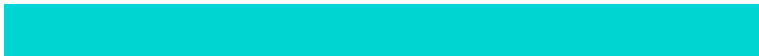
46.9401, 0.4090, 0.4920

Triad

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



46.9401, 0.4762, 0.4349



46.9401, 0.1782, 0.3306



46.9401, 0.2786, 0.2064

Complementary

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



46.9401, 0.4762, 0.4349



22.6224, 0.1864, 0.1667

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.



46.9401, 0.2051, 0.1898



46.9401, 0.4762, 0.4349



46.9401, 0.1549, 0.2452

Square

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



46.9401, 0.4762, 0.4349



46.9401, 0.2374, 0.4383



46.9401, 0.1643, 0.2006



46.9401, 0.3760, 0.2464

Rectangle

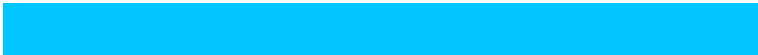
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.9401, 0.4762, 0.4349



46.9401, 0.3520, 0.5079



46.9401, 0.1643, 0.2006



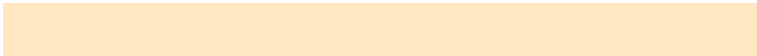
46.9401, 0.2506, 0.1981

Sweetspot

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



46.9425, 0.4762, 0.4349



82.1070, 0.3544, 0.3663



23.0740, 0.4787, 0.2623



17.0620, 0.3616, 0.3721



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.



46.9425, 0.4762, 0.4349



46.3204, 0.5045, 0.4340



80.1724, 0.3988, 0.5045



18.1430, 0.3278, 0.3432



22.0710, 0.5111, 0.4324



2.1403, 0.4965, 0.4440

Inverse Universe

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



22.6224, 0.1864, 0.1667



18.6138, 0.1714, 0.1335



10.2651, 0.1725, 0.0885



17.0083, 0.2980, 0.3144



8.4542, 0.1682, 0.1255



0.9380, 0.1751, 0.1502

Previews

White Background



This preview shows how the Yxy color 46.9401, 0.4762, 0.4349 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 46.9401, 0.4762, 0.4349 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 46.9401, 0.4762, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 46.9401, 0.4762, 0.4349.



This preview shows how white text looks on a background with the Yxy color 46.9401, 0.4762, 0.4349.

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

46.9401, 0.4762, 0.4349

Protanopia

47.1316, 0.4260, 0.4688

Deuteranopia

46.7669, 0.4598, 0.4497



Tritanopia

46.9281, 0.3936, 0.3164

Trichromacy



Original Color

46.9401, 0.4762, 0.4349

Protanomaly

46.7802, 0.4445, 0.4557

Deuteranomaly

46.8485, 0.4656, 0.4445

Tritanomaly

46.4221, 0.4309, 0.3657

Monochromacy



Original Color

46.9401, 0.4762, 0.4349

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.9706, 0.3749, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9401, 0.4762, 0.4349 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(243, 167, 52)` looks like.

```
.text, #text, p{  
    color:rgb(243, 167, 52)  
}
```

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(243, 167, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 167, 52) }
```

Border

The CSS property to change the border of an element to Yxy 46.9401, 0.4762, 0.4349 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(243, 167, 52) }
```

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

```
.border{ border-color:rgb(243, 167, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 167, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 167, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 167, 52);  
box-shadow:4px 4px 4px 4px rgb(243, 167,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9401, 0.4762, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 167, 52) }
```

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

```
.background{ background-color: rgb(243,  
167, 52) }
```

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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