

Converting Colors

$Y_{xy}(48.2304, 0.5115, 0.4325)$

Have a look what the booklet for
Yxy(48.2304, 0.5115, 0.4325)
contains.

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Color

Yxy(46.7497, 0.5049, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	FFA100
RGB	255, 161, 0
RGB Percent	100%, 63%, 0%
CMY	0.0001, 0.3685, 0.9999
CMYK	0.00, 0.37, 1.00, 0.00
HSL	38°, 100%, 50%
HSV	38°, 100%, 100%
XYZ	53.9765, 46.7497, 6.1791
YIQ	170.7520, 107.7050, -30.1430

Conversions

Conversions Part 2

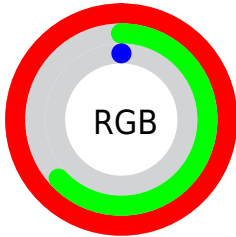
Format	Color
R _Y B	149, 255, 0
Decimal	16752896
CIE Lab	74.03, 26.00, 78.37
CIE LCh	74, 82.566, 71.647
Yxy	46.7497, 0.5049, 0.4373
Android (android.graphics.Color)	4294942976 (0xFFFFA100)
YUV	170.7520, -84.1807, 73.8855
Hunter-Lab	68.3738, 21.2597, 42.5034

Details

The Yxy color **46.7497, 0.5049, 0.4373** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **15.2189, 0.1650, 0.1139**, and the grayscale version is **40.9875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9362, 0.4317, 0.4556**, and **22.1437, 0.5213, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **46.7483, 0.5049, 0.4373**, and if you desaturate by 10%, it is **50.2334, 0.4909, 0.4414**.

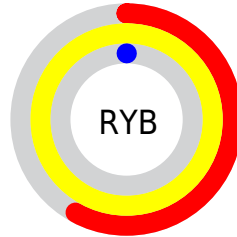
Distribution



Red (100%)

Green (63%)

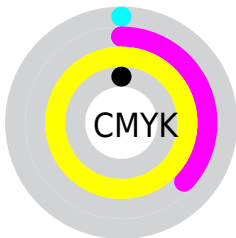
Blue (0%)



Red (58%)

Yellow (100%)

Blue (0%)

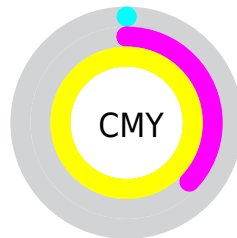


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7497, 0.5049, 0.4373 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 46.7497, 0.5049, 0.4373 by changing the saturation by 10% instead.


 46.7497, 0.5049,
0.4373


 46.7497, 0.5049,
0.4373


373.8145, 0.4190,
0.3994


 32.8378, 0.5207,
0.4406


 85.3399, 0.4776,
0.4282

 22.0022, 0.5377,
0.4415


 110.7870, 0.4661,
0.4233


 13.8585, 0.5588,
0.4412


 140.8479, 0.4559,
0.4187

 8.0223, 0.5722,
0.4278

 175.9072, 0.4468,
0.4142

 4.1093, 0.5915,
0.4085

 216.3490, 0.4387,
0.4101

 1.7349, 0.6221,
0.3779

 262.5580, 0.4314,

 0.4461, 0.7073,

0.4062

0.2927

314.9183, 0.4249,
0.4027

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.7497, 0.5049,
0.4373

46.7497, 0.5049,
0.4373

46.7483, 0.5049,
0.4373

50.2334, 0.4909,
0.4414

54.0610, 0.4737,
0.4407

58.2688, 0.4536,
0.4347

62.8794, 0.4316,
0.4243

67.9122, 0.4091,
0.4107

73.3849, 0.3870,
0.3950

79.3135, 0.3659,
0.3782

85.7131, 0.3464,
0.3613

92.5976, 0.3287,
0.3448

Harmonies

Analogous

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



46.7497, 0.5334, 0.3605



46.7497, 0.5049, 0.4373



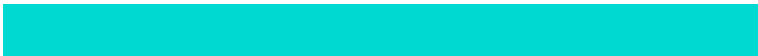
46.7497, 0.4266, 0.5121

Triad

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



46.7497, 0.5049, 0.4373



46.7497, 0.1598, 0.3390



46.7497, 0.2625, 0.1857

Complementary

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



46.7497, 0.5049, 0.4373



15.2189, 0.1650, 0.1139

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.



46.7497, 0.1825, 0.1692



46.7497, 0.5049, 0.4373



46.7497, 0.1326, 0.2345

Square

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



46.7497, 0.5049, 0.4373



46.7497, 0.2288, 0.4736



46.7497, 0.1408, 0.1824



46.7497, 0.3765, 0.2282

Rectangle

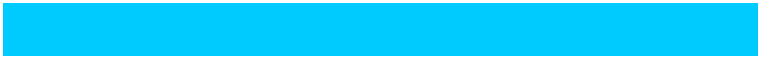
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.7497, 0.5049, 0.4373



46.7497, 0.3612, 0.5421



46.7497, 0.1408, 0.1824



46.7497, 0.2313, 0.1772

Sweetspot

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



46.7521, 0.5049, 0.4373



79.3287, 0.3659, 0.3783



22.1319, 0.5494, 0.2800



16.4324, 0.3746, 0.3854



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.



46.7521, 0.5049, 0.4373



46.7613, 0.5049, 0.4373



87.5436, 0.3985, 0.5217



19.8993, 0.3278, 0.3440



24.7289, 0.5031, 0.4387



2.6167, 0.4910, 0.4483

Inverse Universe

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



15.2189, 0.1650, 0.1139



15.2195, 0.1650, 0.1139



7.4912, 0.1534, 0.0619



18.4739, 0.2979, 0.3136



8.2126, 0.1658, 0.1169



0.9998, 0.1721, 0.1393

Previews

White Background



This preview shows how the Yxy color 46.7497, 0.5049, 0.4373 looks on a white background.

Color Contrast Check

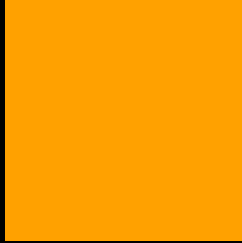
Large Text (above 18pt) WCAG AA × Fail

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 46.7497, 0.5049, 0.4373 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 46.7497, 0.5049, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 46.7497, 0.5049, 0.4373.



This preview shows how white text looks on a background with the Yxy color 46.7497, 0.5049, 0.4373.

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

46.7497, 0.5049, 0.4373

Protanopia

47.0325, 0.4384, 0.4852

Deuteranopia

46.8761, 0.4728, 0.4628



Tritanopia

46.6868, 0.4045, 0.3188

Trichromacy



Original Color

46.7497, 0.5049, 0.4373

Protanomaly

46.5314, 0.4635, 0.4675

Deuteranomaly

46.9012, 0.4846, 0.4534

Tritanomaly

46.0364, 0.4608, 0.3814

Monochromacy



Original Color

46.7497, 0.5049, 0.4373

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2981, 0.3993, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7497, 0.5049, 0.4373 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(255, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 0)  
}
```

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(255, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.7497, 0.5049, 0.4373 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(255, 161, 0) }
```

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

```
.border{ border-color:rgb(255, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7497, 0.5049, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 0) }
```

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

```
.background{ background-color: rgb(255,  
161, 0) }
```

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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