

Converting Colors

Yxy(51.6696, 0.5155, 0.4121)

Have a look what the booklet for
Yxy(51.6696, 0.5155, 0.4121)
contains.

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Color

Yxy(46.2457, 0.4968, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	FF9F2D
RGB	255, 159, 45
RGB Percent	100%, 62%, 18%
CMY	0.0000, 0.3764, 0.8234
CMYK	0.00, 0.38, 0.82, 0.00
HSL	33°, 100%, 59%
HSV	33°, 82%, 100%
XYZ	54.1094, 46.2457, 8.5608
YIQ	174.7080, 93.8100, -15.1020

Conversions

Conversions Part 2

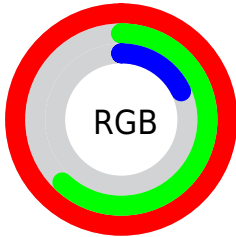
Format	Color
R _Y B	222, 255, 45
Decimal	16752429
CIE Lab	73.70, 27.74, 68.98
CIE LCh	74, 74.350, 68.096
Yxy	46.2457, 0.4968, 0.4246
Android (android.graphics.Color)	4294942509 (0xFFFF9F2D)
YUV	174.7080, -63.9460, 70.4161
Hunter-Lab	68.0042, 23.0212, 40.1391

Details

The Yxy color **46.2457, 0.4968, 0.4246** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.8330, 0.1864, 0.1745**, and the grayscale version is **43.0153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2927, 0.4221, 0.4387**, and **21.7219, 0.5243, 0.4219** is the 20% darker color. If you saturate the color by 10%, you get **42.2849, 0.5174, 0.4220**, and if you desaturate by 10%, it is **50.7078, 0.4729, 0.4217**.

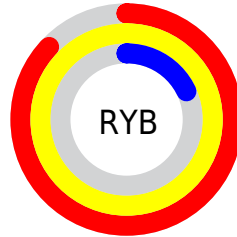
Distribution



Red (100%)

Green (62%)

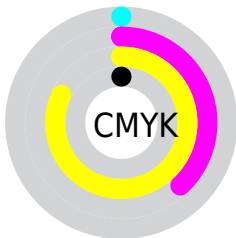
Blue (18%)



Red (87%)

Yellow (100%)

Blue (18%)

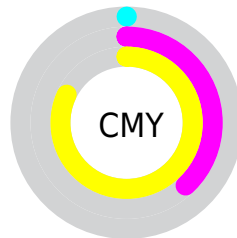


Cyan (0%)

Magenta (38%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (38%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2457, 0.4968, 0.4246 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 46.2457, 0.4968, 0.4246 by changing the saturation by 10% instead.

 46.2457, 0.4968,
0.4246


 46.2457, 0.4968,
0.4246


371.7956, 0.4114,
0.3894

 32.4398, 0.5140,
0.4284


 84.5866, 0.4685,
0.4155


 21.6976, 0.5333,
0.4305


 109.8903, 0.4570,
0.4109

 13.6349, 0.5558,
0.4301


 139.7954, 0.4469,
0.4066

 7.8672, 0.5780,
0.4220

 174.6863, 0.4380,
0.4026

 4.0101, 0.5986,
0.4014

 214.9474, 0.4302,
0.3989

 1.6792, 0.6312,
0.3688

 260.9630, 0.4232,

 0.4101, 0.7262,

0.3955

0.2738

313.1176, 0.4170,
0.3923

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2457, 0.4968,
0.4246

■ 46.2457, 0.4968,
0.4246

■ 42.2849, 0.5174,
0.4220

■ 50.7078, 0.4729,
0.4217

■ 39.5561, 0.5308,
0.4167

■ 55.6925, 0.4472,
0.4141

■ 61.2272, 0.4213,
0.4030

■ 67.3345, 0.3963,
0.3896

74.0352, 0.3730,
0.3751

81.3488, 0.3519,
0.3603

89.2936, 0.3330,
0.3459

97.8871, 0.3163,
0.3321

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



46.2457, 0.5127, 0.3534



46.2457, 0.4968, 0.4246



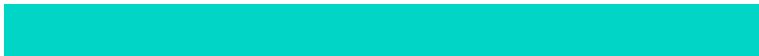
46.2457, 0.4308, 0.4921

Triad

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



46.2457, 0.4968, 0.4246



46.2457, 0.1783, 0.3534



46.2457, 0.2568, 0.1930

Complementary

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



46.2457, 0.4968, 0.4246



26.8330, 0.1864, 0.1745

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.



46.2457, 0.1862, 0.1808



46.2457, 0.4968, 0.4246



46.2457, 0.1469, 0.2529

Square

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



46.2457, 0.4968, 0.4246



46.2457, 0.2476, 0.4697



46.2457, 0.1505, 0.1979



46.2457, 0.3583, 0.2303

Rectangle

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



46.2457, 0.4968, 0.4246



46.2457, 0.3718, 0.5200



46.2457, 0.1505, 0.1979



46.2457, 0.2293, 0.1860

Sweetspot

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



46.2481, 0.4968, 0.4246



79.3476, 0.3573, 0.3643



25.1214, 0.4685, 0.2497



16.4309, 0.3647, 0.3695



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.



46.2481, 0.4968, 0.4246



39.9033, 0.5291, 0.4175



91.6571, 0.4099, 0.5013



19.6211, 0.3281, 0.3419



20.9735, 0.5285, 0.4186



2.2607, 0.5126, 0.4312

Inverse Universe

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



26.8330, 0.1864, 0.1745



20.1830, 0.1730, 0.1422



9.8303, 0.1624, 0.0782



18.7458, 0.2979, 0.3158



10.6586, 0.1732, 0.1434



1.2531, 0.1792, 0.1649

Previews

White Background



This preview shows how the Yxy color 46.2457, 0.4968, 0.4246 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 46.2457, 0.4968, 0.4246 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 46.2457, 0.4968, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 46.2457, 0.4968, 0.4246.



This preview shows how white text looks on a background with the Yxy color 46.2457, 0.4968, 0.4246.

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

46.2457, 0.4968, 0.4246

Protanopia

46.5323, 0.4281, 0.4717

Deuteranopia

46.3095, 0.4646, 0.4536



Tritanopia

46.2897, 0.4069, 0.3198

Trichromacy



Original Color

46.2457, 0.4968, 0.4246

Protanomaly

46.1818, 0.4535, 0.4541

Deuteranomaly

45.9747, 0.4766, 0.4428

Tritanomaly

46.0346, 0.4478, 0.3662

Monochromacy



Original Color

46.2457, 0.4968, 0.4246

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.7718, 0.3832, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2457, 0.4968, 0.4246 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, 159, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 159, 45)  
}
```

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, 159, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 159, 45) }
```

Border

The CSS property to change the border of an element to Yxy 46.2457, 0.4968, 0.4246 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, 159, 45) }
```

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

```
.border{ border-color:rgb(255, 159, 45) }
```

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

Here you see how a box with a 4 pixel rgb(255, 159, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 159, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 159, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 159,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2457, 0.4968, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 159, 45) }
```

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

```
.background{ background-color: rgb(255,  
159, 45) }
```

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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