

Converting Colors

$Y_{xy}(43.1365, 0.4966, 0.4046)$

Have a look what the booklet for
Yxy(43.1365, 0.4966, 0.4046)
contains.

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Color

Yxy(43.1365, 0.4966, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	FF9541
RGB	255, 149, 65
RGB Percent	100%, 58%, 25%
CMY	0.0000, 0.4157, 0.7452
CMYK	0.00, 0.42, 0.75, 0.00
HSL	27°, 100%, 63%
HSV	27°, 75%, 100%
XYZ	52.9451, 43.1365, 10.5336
YIQ	171.1180, 90.1400, -3.6520

Conversions

Conversions Part 2

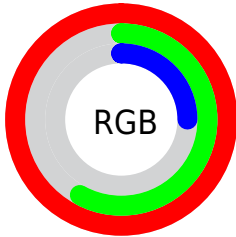
Format	Color
R _Y B	255, 216, 65
Decimal	16749889
CIE Lab	71.65, 33.61, 59.30
CIE LCh	72, 68.166, 60.458
Yxy	43.1365, 0.4966, 0.4046
Android (android.graphics.Color)	4294939969 (0xFFFF9541)
YUV	171.1180, -52.3162, 73.5645
Hunter-Lab	65.6784, 28.9564, 36.4659

Details

The Yxy color **43.1365, 0.4966, 0.4046** 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 **37.4625, 0.2020, 0.2175**, and the grayscale version is **41.0192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7301, 0.4185, 0.4165**, and **19.7646, 0.5384, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **38.6747, 0.5250, 0.4041**, and if you desaturate by 10%, it is **48.2806, 0.4661, 0.4001**.

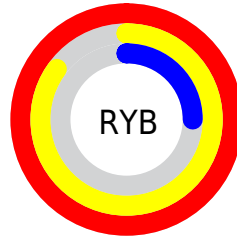
Distribution



Red (100%)

Green (58%)

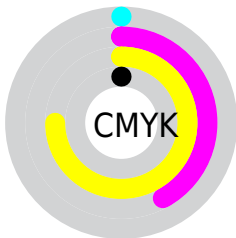
Blue (25%)



Red (100%)

Yellow (85%)

Blue (25%)

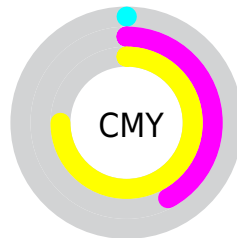


Cyan (0%)

Magenta (42%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1365, 0.4966, 0.4046 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 43.1365, 0.4966, 0.4046 by changing the saturation by 10% instead.


 43.1365, 0.4966,
0.4046


 43.1365, 0.4966,
0.4046


359.1728, 0.4077,
0.3771


 29.9922, 0.5160,
0.4074


 79.9168, 0.4661,
0.3975

 19.8327, 0.5386,
0.4085


 104.3216, 0.4540,
0.3940

 12.2735, 0.5649,
0.4062


 133.2488, 0.4436,
0.3906

 6.9302, 0.5996,
0.4004

 167.0826, 0.4345,
0.3875

 3.4185, 0.6257,
0.3743

 206.2075, 0.4265,
0.3845

 1.3539, 0.6670,
0.3330

251.0079, 0.4195,

 0.1824, 0.8462,

0.3818

0.1538

301.8682, 0.4132,
0.3793

■ 0.0000, 0.0000,
0.0000

■ 43.1365, 0.4966,
0.4046

■ 43.1365, 0.4966,
0.4046

■ 38.6747, 0.5250,
0.4041

■ 48.2806, 0.4661,
0.4001

■ 34.8571, 0.5493,
0.3981


■ 54.1427, 0.4358,
0.3919

■ 33.0144, 0.5608,
0.3929

■ 60.7540, 0.4071,
0.3814

■ 68.1436, 0.3810,
0.3695

■ 76.3390, 0.3578,
0.3573

 85.3660, 0.3375,
0.3454

 95.2490, 0.3199,
0.3339

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



43.1365, 0.4944, 0.3371



43.1365, 0.4966, 0.4046



43.1365, 0.4450, 0.4703

Triad

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



43.1365, 0.4966, 0.4046



43.1365, 0.1994, 0.3811



43.1365, 0.2398, 0.1941

Complementary

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



43.1365, 0.4966, 0.4046



37.4625, 0.2020, 0.2175

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.



43.1365, 0.1807, 0.1893



43.1365, 0.4966, 0.4046



43.1365, 0.1594, 0.2784

Square

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



43.1365, 0.4966, 0.4046



43.1365, 0.2736, 0.4805



43.1365, 0.1543, 0.2147



43.1365, 0.3300, 0.2242

Rectangle

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



43.1365, 0.4966, 0.4046



43.1365, 0.3926, 0.5022



43.1365, 0.1543, 0.2147



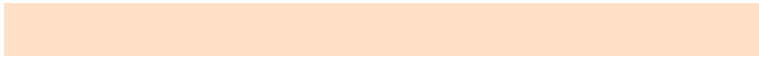
43.1365, 0.2164, 0.1895

Sweetspot

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



43.1361, 0.4966, 0.4046



78.5317, 0.3524, 0.3543



28.0425, 0.4192, 0.2322



16.3038, 0.3582, 0.3576



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.



43.1361, 0.4966, 0.4046



36.8862, 0.5366, 0.4021



85.3436, 0.4184, 0.4823



19.3089, 0.3283, 0.3395



17.5371, 0.5580, 0.3952



1.9210, 0.5383, 0.4107

Inverse Universe

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



37.4625, 0.2020, 0.2175



30.7950, 0.1888, 0.1925



13.7424, 0.1728, 0.1035



19.0586, 0.2979, 0.3182



14.2230, 0.1826, 0.1772



1.6028, 0.1878, 0.1959

Previews

White Background



This preview shows how the Yxy color 43.1365, 0.4966, 0.4046 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 43.1365, 0.4966, 0.4046 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 43.1365, 0.4966, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 43.1365, 0.4966, 0.4046.



This preview shows how white text looks on a background with the Yxy color 43.1365, 0.4966, 0.4046.

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

43.1365, 0.4966, 0.4046

Protanopia

43.2675, 0.4143, 0.4539

Deuteranopia

43.1793, 0.4523, 0.4424



Tritanopia

43.1719, 0.4204, 0.3199

Trichromacy



Original Color

43.1365, 0.4966, 0.4046

Protanomaly

42.4663, 0.4446, 0.4354

Deuteranomaly

42.8131, 0.4695, 0.4273

Tritanomaly

42.8669, 0.4533, 0.3549

Monochromacy



Original Color

43.1365, 0.4966, 0.4046

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.4169, 0.3802, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1365, 0.4966, 0.4046 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, 149, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 149, 65)  
}
```

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, 149, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 149, 65) }
```

Border

The CSS property to change the border of an element to Yxy 43.1365, 0.4966, 0.4046 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, 149, 65) }
```

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

```
.border{ border-color:rgb(255, 149, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 149, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 149, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 149, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 149,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1365, 0.4966, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 149, 65) }
```

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

```
.background{ background-color: rgb(255,  
149, 65) }
```

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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