

Converting Colors

Yxy(42.8182, 0.5190, 0.4006)

Have a look what the booklet for
Yxy(42.8182, 0.5190, 0.4006)
contains.

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Color

Yxy(40.8539, 0.5112, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E34
RGB	255, 142, 52
RGB Percent	100%, 56%, 20%
CMY	0.0001, 0.4431, 0.7961
CMYK	0.00, 0.44, 0.80, 0.00
HSL	27°, 100%, 60%
HSV	27°, 80%, 100%
XYZ	51.5285, 40.8539, 8.4167
YIQ	165.5270, 96.2380, -4.0340

Conversions

Conversions Part 2

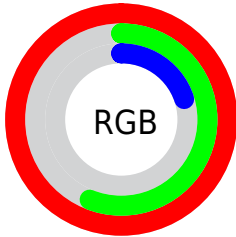
Format	Color
R _Y B	255, 214, 52
Decimal	16748084
CIE Lab	70.07, 36.69, 63.21
CIE LCh	70, 73.084, 59.863
Yxy	40.8539, 0.5112, 0.4053
Android (android.graphics.Color)	4294938164 (0xFFFF8E34)
YUV	165.5270, -55.9688, 78.4678
Hunter-Lab	63.9171, 32.0479, 36.9345

Details

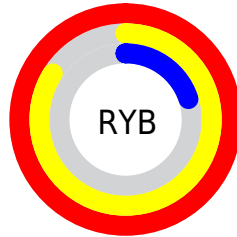
The Yxy color **40.8539, 0.5112, 0.4053** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.8426, 0.1967, 0.2082**, and the grayscale version is **38.1348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2124, 0.4308, 0.4204**, and **18.5188, 0.5503, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **36.7273, 0.5377, 0.4020**, and if you desaturate by 10%, it is **45.6463, 0.4815, 0.4032**.

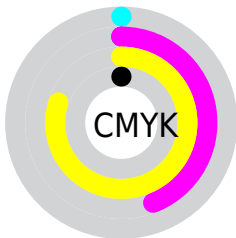
Distribution



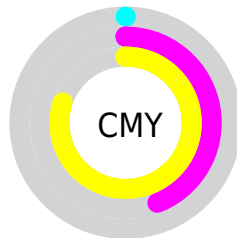
- Red (100%)
- Green (56%)
- Blue (20%)



- Red (100%)
- Yellow (84%)
- Blue (20%)



- Cyan (0%)
- Magenta (44%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8539, 0.5112, 0.4053 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 40.8539, 0.5112, 0.4053 by changing the saturation by 10% instead.


 40.8539, 0.5112,
0.4053


 40.8539, 0.5112,
0.4053


349.7096, 0.4155,
0.3794

 28.2049, 0.5316,
0.4068


 76.4621, 0.4786,
0.3995


 18.4802, 0.5550,
0.4060


 100.1901, 0.4656,
0.3962

 11.2953, 0.5836,
0.4018


 128.3798, 0.4544,
0.3930

 6.2658, 0.6125,
0.3875

 161.4158, 0.4446,
0.3899

 3.0074, 0.6422,
0.3578

 199.6824, 0.4359,
0.3870

 1.1356, 0.6893,
0.3107

 243.5640, 0.4283,

 0.0081, 0.9911,

0.3843

0.0089

293.4449, 0.4216,
0.3818

■ 0.0000, 0.0000,
0.0000

■ 40.8539, 0.5112,
0.4053

■ 40.8539, 0.5112,
0.4053

■ 36.7273, 0.5377,
0.4020

■ 45.6463, 0.4815,
0.4032

■ 33.2123, 0.5596,
0.3936

■ 51.1346, 0.4510,
0.3967

■ 33.0866, 0.5604,
0.3932

■ 57.3536, 0.4214,
0.3871

■ 64.3337, 0.3939,
0.3758

■ 72.1028, 0.3692,
0.3637

 80.6874, 0.3475,
0.3515

 90.1127, 0.3285,
0.3397

99.9971, 0.3127,
0.3290

Harmonies

Analogous

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



40.8539, 0.5096, 0.3340



40.8539, 0.5112, 0.4053



40.8539, 0.4545, 0.4775

Triad

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



40.8539, 0.5112, 0.4053



40.8539, 0.1910, 0.3880



40.8539, 0.2321, 0.1844

Complementary

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



40.8539, 0.5112, 0.4053



34.8426, 0.1967, 0.2082

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.



40.8539, 0.1704, 0.1796



40.8539, 0.5112, 0.4053



40.8539, 0.1487, 0.2744

Square

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



40.8539, 0.5112, 0.4053



40.8539, 0.2704, 0.4982



40.8539, 0.1433, 0.2061



40.8539, 0.3286, 0.2157

Rectangle

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



40.8539, 0.5112, 0.4053



40.8539, 0.3979, 0.5153



40.8539, 0.1433, 0.2061



40.8539, 0.2074, 0.1797

Sweetspot

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



40.8561, 0.5112, 0.4053



76.8286, 0.3566, 0.3568



26.5027, 0.4298, 0.2304



15.7971, 0.3645, 0.3612



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.



40.8561, 0.5112, 0.4053



34.4213, 0.5521, 0.3970



84.6830, 0.4225, 0.4871



19.3131, 0.3283, 0.3396



17.5775, 0.5576, 0.3955



1.9252, 0.5380, 0.4110

Inverse Universe

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



34.8426, 0.1967, 0.2082



27.9765, 0.1840, 0.1805



11.7894, 0.1659, 0.0915



19.0544, 0.2979, 0.3182



14.1695, 0.1824, 0.1767



1.5976, 0.1877, 0.1955

Previews

White Background



This preview shows how the Yxy color 40.8539, 0.5112, 0.4053 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 40.8539, 0.5112, 0.4053 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 40.8539, 0.5112, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 40.8539, 0.5112, 0.4053.



This preview shows how white text looks on a background with the Yxy color 40.8539, 0.5112, 0.4053.

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

40.8539, 0.5112, 0.4053

Protanopia

41.0378, 0.4212, 0.4633

Deuteranopia

40.9752, 0.4605, 0.4506



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.8539, 0.5112, 0.4053

Protanomaly

40.2322, 0.4552, 0.4412

Deuteranomaly

40.4709, 0.4800, 0.4330

Tritanomaly

40.5847, 0.4673, 0.3565

Monochromacy



Original Color

40.8539, 0.5112, 0.4053

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.6004, 0.3857, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8539, 0.5112, 0.4053 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, 142, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 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(255, 142, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 52) }
```

Border

The CSS property to change the border of an element to Yxy 40.8539, 0.5112, 0.4053 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, 142, 52) }
```

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

```
.border{ border-color:rgb(255, 142, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 142, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8539, 0.5112, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 142, 52) }
```

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

```
.background{ background-color: rgb(255,  
142, 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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