

Converting Colors

Yxy(39.6836, 0.5158, 0.4020)

Have a look what the booklet for
Yxy(39.6836, 0.5158, 0.4020)
contains.

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Color

Yxy(39.6760, 0.5159, 0.4020)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF8A33 |
| RGB | 255, 138, 51 |
| RGB Percent | 100%, 54%, 20% |
| CMY | 0.0001, 0.4587, 0.8001 |
| CMYK | 0.00, 0.46, 0.80, 0.00 |
| HSL | 26°, 100%, 60% |
| HSV | 26°, 80%, 100% |
| XYZ | 50.9175, 39.6760, 8.1030 |
| YIQ | 163.0650, 97.6590, -2.2530 |

Conversions

Conversions Part 2

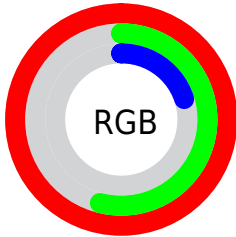
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 203, 51 |
| Decimal | 16747059 |
| CIE Lab | 69.24, 38.68, 62.84 |
| CIE LCh | 69, 73.786, 58.388 |
| Yxy | 39.6760, 0.5159, 0.4020 |
| Android (android.graphics.Color) | 4294937139 (0xFFFF8A33) |
| YUV | 163.0650, -55.2480, 80.6270 |
| Hunter-Lab | 62.9889, 34.0612, 36.4651 |

Details

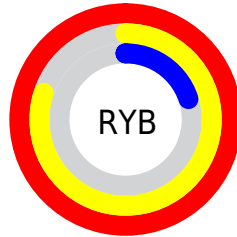
The Yxy color **39.6760, 0.5159, 0.4020** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.8946, 0.1976, 0.2123**, and the grayscale version is **36.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3994, 0.4342, 0.4175**, and **17.8620, 0.5563, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **35.5949, 0.5430, 0.3982**, and if you desaturate by 10%, it is **44.4489, 0.4855, 0.4005**.

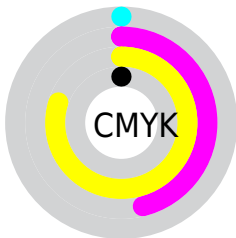
Distribution



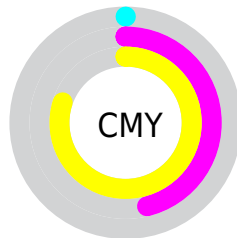
- Red (100%)
- Green (54%)
- Blue (20%)



- Red (100%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (46%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6760, 0.5159, 0.4020 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 39.6760, 0.5159, 0.4020 by changing the saturation by 10% instead.


 39.6760, 0.5159,
0.4020


 39.6760, 0.5159,
0.4020


344.7561, 0.4174,
0.3781

 27.2860, 0.5370,
0.4029


 74.6699, 0.4823,
0.3970

 17.7881, 0.5613,
0.4012


 98.0426, 0.4689,
0.3940

 10.7980, 0.5915,
0.3962


 125.8450, 0.4573,
0.3910

 5.9312, 0.6206,
0.3794

 158.4614, 0.4472,
0.3881

 2.8033, 0.6524,
0.3476

 196.2764, 0.4384,
0.3853

 1.0299, 0.7030,
0.2970

 239.6742, 0.4306,

 0.0000, 1.0000,

0.3827

0.0000

289.0393, 0.4236,
0.3803

■ 0.0000, 0.0000,
0.0000

■ 39.6760, 0.5159,
0.4020

■ 39.6760, 0.5159,
0.4020

■ 35.5949, 0.5430,
0.3982

■ 44.4489, 0.4855,
0.4005

■ 32.1508, 0.5653,
0.3894

■ 49.9459, 0.4541,
0.3945

■ 56.2041, 0.4237,
0.3854

■ 63.2554, 0.3957,
0.3745

■ 71.1297, 0.3705,
0.3629

79.8551, 0.3484,
0.3511

89.4580, 0.3293,
0.3397

99.9638, 0.3127,
0.3290

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



39.6760, 0.5112, 0.3302



39.6760, 0.5159, 0.4020



39.6760, 0.4600, 0.4759

Triad

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



39.6760, 0.5159, 0.4020



39.6760, 0.1919, 0.3955



39.6760, 0.2267, 0.1814

Complementary

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



39.6760, 0.5159, 0.4020



35.8946, 0.1976, 0.2123

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.



39.6760, 0.1662, 0.1778



39.6760, 0.5159, 0.4020



39.6760, 0.1473, 0.2778

Square

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



39.6760, 0.5159, 0.4020



39.6760, 0.2739, 0.5058



39.6760, 0.1404, 0.2062



39.6760, 0.3233, 0.2118

Rectangle

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



39.6760, 0.5159, 0.4020



39.6760, 0.4032, 0.5162



39.6760, 0.1404, 0.2062



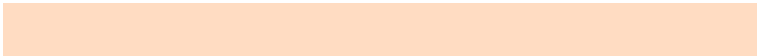
39.6760, 0.2024, 0.1771

Sweetspot

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



39.6781, 0.5159, 0.4020



76.2890, 0.3569, 0.3558



26.5207, 0.4256, 0.2273



15.6685, 0.3648, 0.3600



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.



39.6781, 0.5159, 0.4020



33.4683, 0.5568, 0.3932



82.6248, 0.4251, 0.4852



19.2615, 0.3284, 0.3392



17.0856, 0.5624, 0.3916



1.8749, 0.5423, 0.4076

Inverse Universe

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



35.8946, 0.1976, 0.2123



29.2686, 0.1856, 0.1862



12.0520, 0.1661, 0.0932



19.1068, 0.2979, 0.3186



14.8457, 0.1841, 0.1825



1.6623, 0.1891, 0.2008

Previews

White Background



This preview shows how the Yxy color 39.6760, 0.5159, 0.4020 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 39.6760, 0.5159, 0.4020 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 39.6760, 0.5159, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 39.6760, 0.5159, 0.4020.



This preview shows how white text looks on a background with the Yxy color 39.6760, 0.5159, 0.4020.

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

39.6760, 0.5159, 0.4020

Protanopia

39.8840, 0.4205, 0.4640

Deuteranopia

39.8030, 0.4607, 0.4516



Tritanopia

39.6560, 0.4391, 0.3211

Trichromacy



Original Color

39.6760, 0.5159, 0.4020

Protanomaly

38.8854, 0.4569, 0.4400

Deuteranomaly

39.4659, 0.4814, 0.4331

Tritanomaly

39.3929, 0.4732, 0.3552

Monochromacy



Original Color

39.6760, 0.5159, 0.4020

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.2521, 0.3880, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6760, 0.5159, 0.4020 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, 138, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 51)  
}
```

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, 138, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 51) }
```

Border

The CSS property to change the border of an element to Yxy 39.6760, 0.5159, 0.4020 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, 138, 51) }
```

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

```
.border{ border-color:rgb(255, 138, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 138, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6760, 0.5159, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 51) }
```

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

```
.background{ background-color: rgb(255,  
138, 51) }
```

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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