

Converting Colors

$Y_{xy}(40.0954, 0.5070, 0.3955)$

Have a look what the booklet for
Yxy(40.0954, 0.5070, 0.3955)
contains.

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Color

Yxy(40.0954, 0.5070, 0.3955)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FF8B40 |
| RGB | 255, 139, 64 |
| RGB Percent | 100%, 55%, 25% |
| CMY | 0.0000, 0.4549, 0.7489 |
| CMYK | 0.00, 0.45, 0.75, 0.00 |
| HSL | 24°, 100%, 63% |
| HSV | 24°, 75%, 100% |
| XYZ | 51.3992, 40.0954, 9.8845 |
| YIQ | 165.1340, 93.2110, 1.2670 |

Conversions

Conversions Part 2

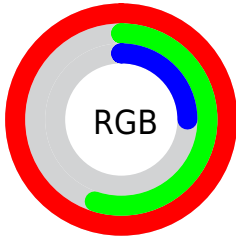
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 187, 64 |
| Decimal | 16747328 |
| CIE Lab | 69.54, 38.66, 57.59 |
| CIE LCh | 70, 69.365, 56.126 |
| Yxy | 40.0954, 0.5070, 0.3955 |
| Android (android.graphics.Color) | 4294937408 (0xFFFF8B40) |
| YUV | 165.1340, -49.8591, 78.8125 |
| Hunter-Lab | 63.3209, 34.0812, 35.0694 |

Details

The Yxy color **40.0954, 0.5070, 0.3955** 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 **40.9625, 0.2050, 0.2301**, and the grayscale version is **37.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1045, 0.4253, 0.4080**, and **18.0360, 0.5529, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **35.6979, 0.5378, 0.3938**, and if you desaturate by 10%, it is **45.2648, 0.4741, 0.3923**.

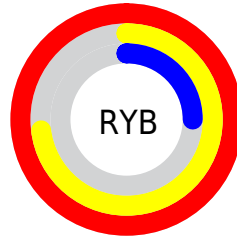
Distribution



Red (100%)

Green (55%)

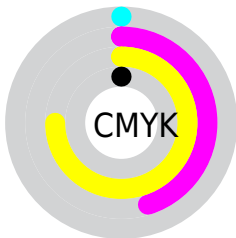
Blue (25%)



Red (100%)

Yellow (73%)

Blue (25%)

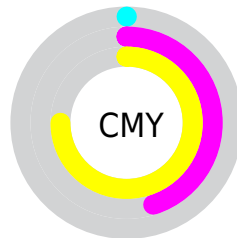


Cyan (0%)

Magenta (45%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0954, 0.5070, 0.3955 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 40.0954, 0.5070, 0.3955 by changing the saturation by 10% instead.


 40.0954, 0.5070,
0.3955


 40.0954, 0.5070,
0.3955

346.5255, 0.4116,
0.3729


 27.6129, 0.5282,
0.3969


 75.3088, 0.4739,
0.3904


 18.0341, 0.5531,
0.3961


 98.8084, 0.4609,
0.3875


 10.9745, 0.5825,
0.3911


 126.7493, 0.4497,
0.3847

 6.0497, 0.6198,
0.3802

 159.5158, 0.4400,
0.3820

 2.8753, 0.6512,
0.3488

 197.4923, 0.4316,
0.3795

 1.0670, 0.7010,
0.2990

241.0631, 0.4241,

 0.0000, 1.0000,

0.3771

0.0000

290.6127, 0.4175,
0.3749

■ 0.0000, 0.0000,
0.0000

■ 40.0954, 0.5070,
0.3955

■ 40.0954, 0.5070,
0.3955

■ 35.6979, 0.5378,
0.3938

■ 45.2648, 0.4741,
0.3923

■ 32.0203, 0.5637,
0.3867


■ 51.2413, 0.4415,
0.3854

■ 30.3965, 0.5751,
0.3816

■ 58.0643, 0.4110,
0.3761

■ 65.7685, 0.3835,
0.3655

■ 74.3863, 0.3594,
0.3547

 83.9485, 0.3385,
0.3440

 94.4841, 0.3205,
0.3338

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.



40.0954, 0.4960, 0.3267



40.0954, 0.5070, 0.3955



40.0954, 0.4592, 0.4651

Triad

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



40.0954, 0.5070, 0.3955



40.0954, 0.2040, 0.4004



40.0954, 0.2260, 0.1873

Complementary

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



40.0954, 0.5070, 0.3955



40.9625, 0.2050, 0.2301

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.



40.0954, 0.1704, 0.1863



40.0954, 0.5070, 0.3955



40.0954, 0.1577, 0.2890

Square

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



40.0954, 0.5070, 0.3955



40.0954, 0.2843, 0.4979



40.0954, 0.1479, 0.2170



40.0954, 0.3154, 0.2147

Rectangle

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



40.0954, 0.5070, 0.3955



40.0954, 0.4069, 0.5029



40.0954, 0.1479, 0.2170



40.0954, 0.2036, 0.1838

Sweetspot

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



40.0973, 0.5070, 0.3955



77.0524, 0.3530, 0.3515



28.2988, 0.4065, 0.2234



15.9566, 0.3590, 0.3545



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.



40.0973, 0.5070, 0.3955



33.7321, 0.5518, 0.3909



79.7499, 0.4253, 0.4762



19.1568, 0.3284, 0.3384



16.1527, 0.5721, 0.3839



1.7781, 0.5511, 0.4006

Inverse Universe

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



40.9625, 0.2050, 0.2301



34.3058, 0.1925, 0.2070



15.0158, 0.1745, 0.1114



19.2140, 0.2979, 0.3194



16.3011, 0.1874, 0.1946



1.8001, 0.1921, 0.2115

Previews

White Background



This preview shows how the Yxy color 40.0954, 0.5070, 0.3955 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 40.0954, 0.5070, 0.3955 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 40.0954, 0.5070, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 40.0954, 0.5070, 0.3955.



This preview shows how white text looks on a background with the Yxy color 40.0954, 0.5070, 0.3955.

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

40.0954, 0.5070, 0.3955

Protanopia

40.4257, 0.4113, 0.4525

Deuteranopia

40.2822, 0.4523, 0.4433



Tritanopia

39.9881, 0.4363, 0.3201

Trichromacy



Original Color

40.0954, 0.5070, 0.3955



Protanomaly

39.3846, 0.4471, 0.4301



Deuteranomaly

39.9314, 0.4723, 0.4251



Tritanomaly

39.8029, 0.4662, 0.3505

Monochromacy



Original Color

40.0954, 0.5070, 0.3955



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

37.3412, 0.3831, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0954, 0.5070, 0.3955 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, 139, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 139, 64)  
}
```

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, 139, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 139, 64) }
```

Border

The CSS property to change the border of an element to Yxy 40.0954, 0.5070, 0.3955 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, 139, 64) }
```

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

```
.border{ border-color:rgb(255, 139, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 139, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 139, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 139, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 139,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0954, 0.5070, 0.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 139, 64) }
```

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

```
.background{ background-color: rgb(255,  
139, 64) }
```

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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