

Converting Colors

$Y_{xy}(40.7627, 0.5128, 0.4063)$

Have a look what the booklet for
Yxy(40.7627, 0.5128, 0.4063)
contains.

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Color

Yxy(40.8278, 0.5128, 0.4068)

Conversions

Conversions Part 1

Format	Color
Hex	FF8E31
RGB	255, 142, 49
RGB Percent	100%, 56%, 19%
CMY	0.0000, 0.4431, 0.8080
CMYK	0.00, 0.44, 0.81, 0.00
HSL	27°, 100%, 60%
HSV	27°, 81%, 100%
XYZ	51.4663, 40.8278, 8.0692
YIQ	165.1850, 97.2010, -4.9670

Conversions

Conversions Part 2

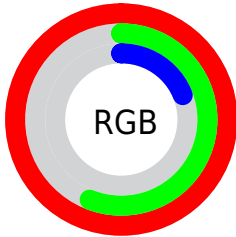
Format	Color
R _Y B	255, 219, 49
Decimal	16748081
CIE Lab	70.06, 36.61, 64.36
CIE LCh	70, 74.045, 60.370
Yxy	40.8278, 0.5128, 0.4068
Android (android.graphics.Color)	4294938161 (0xFFFF8E31)
YUV	165.1850, -57.2792, 78.7678
Hunter-Lab	63.8966, 31.9559, 37.2402

Details

The Yxy color **40.8278, 0.5128, 0.4068** 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 **33.6950, 0.1949, 0.2038**, and the grayscale version is **37.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1718, 0.4321, 0.4221**, and **18.5188, 0.5503, 0.4013** is the 20% darker color. If you saturate the color by 10%, you get **36.7685, 0.5384, 0.4030**, and if you desaturate by 10%, it is **45.5351, 0.4838, 0.4051**.

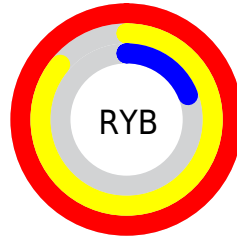
Distribution



Red (100%)

Green (56%)

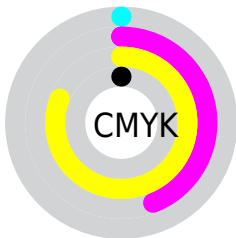
Blue (19%)



Red (100%)

Yellow (86%)

Blue (19%)

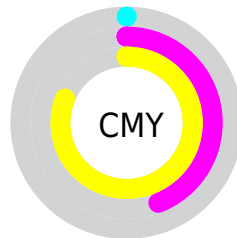


Cyan (0%)

Magenta (44%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (44%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8278, 0.5128, 0.4068 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 40.8278, 0.5128, 0.4068 by changing the saturation by 10% instead.


 40.8278, 0.5128,
0.4068


 40.8278, 0.5128,
0.4068


349.6004, 0.4167,
0.3806


 28.1846, 0.5331,
0.4082


 76.4224, 0.4802,
0.4010

 18.4648, 0.5563,
0.4072


 100.1426, 0.4672,
0.3977

 11.2842, 0.5851,
0.4032


 128.3238, 0.4559,
0.3944

 6.2583, 0.6123,
0.3877

 161.3506, 0.4460,
0.3913

 3.0028, 0.6419,
0.3581

 199.6072, 0.4373,
0.3883

 1.1332, 0.6890,
0.3110

 243.4781, 0.4296,

 0.0061, 0.9933,

0.3855

0.0067

293.3477, 0.4228,
0.3830

■ 0.0000, 0.0000,
0.0000

■ 40.8278, 0.5128,
0.4068

■ 40.8278, 0.5128,
0.4068

■ 36.7685, 0.5384,
0.4030

■ 45.5351, 0.4838,
0.4051

■ 33.5574, 0.5580,
0.3951


■ 50.9200, 0.4536,
0.3989


■ 57.0170, 0.4242,
0.3894

■ 63.8558, 0.3967,
0.3780

■ 71.4640, 0.3718,
0.3658

 79.8674, 0.3498,
0.3533

 89.0905, 0.3306,
0.3413

 99.1567, 0.3139,
0.3299

 99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



40.8278, 0.5127, 0.3349



40.8278, 0.5128, 0.4068



40.8278, 0.4544, 0.4799

Triad

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



40.8278, 0.5128, 0.4068



40.8278, 0.1884, 0.3866



40.8278, 0.2325, 0.1833

Complementary

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



40.8278, 0.5128, 0.4068



33.6950, 0.1949, 0.2038

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.



40.8278, 0.1697, 0.1779



40.8278, 0.5128, 0.4068



40.8278, 0.1466, 0.2719

Square

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



40.8278, 0.5128, 0.4068



40.8278, 0.2680, 0.4995



40.8278, 0.1419, 0.2039



40.8278, 0.3306, 0.2152

Rectangle

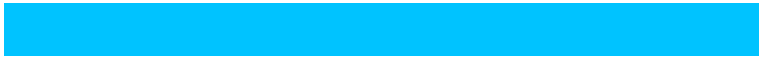
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.8278, 0.5128, 0.4068



40.8278, 0.3968, 0.5182



40.8278, 0.1419, 0.2039



40.8278, 0.2074, 0.1784

Sweetspot

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



40.8300, 0.5128, 0.4068



77.0908, 0.3565, 0.3573



26.0717, 0.4375, 0.2334



15.8597, 0.3644, 0.3617



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.



40.8300, 0.5128, 0.4068



34.5552, 0.5518, 0.3979



86.6020, 0.4209, 0.4902



19.3380, 0.3283, 0.3398



17.8237, 0.5552, 0.3973



1.9501, 0.5359, 0.4127

Inverse Universe

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



33.6950, 0.1949, 0.2038



27.0028, 0.1827, 0.1761



11.0270, 0.1638, 0.0865



19.0291, 0.2979, 0.3180



13.8512, 0.1816, 0.1739



1.5670, 0.1869, 0.1930

Previews

White Background



This preview shows how the Yxy color 40.8278, 0.5128, 0.4068 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 40.8278, 0.5128, 0.4068 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 40.8278, 0.5128, 0.4068

Background



This preview shows how black text looks on a background with the Yxy color 40.8278, 0.5128, 0.4068.



This preview shows how white text looks on a background with the Yxy color 40.8278, 0.5128, 0.4068.

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

40.8278, 0.5128, 0.4068

Protanopia

41.0069, 0.4228, 0.4657

Deuteranopia

40.9534, 0.4617, 0.4522



Tritanopia

40.8819, 0.4325, 0.3211

Trichromacy



Original Color

40.8278, 0.5128, 0.4068

Protanomaly

40.2032, 0.4568, 0.4432

Deuteranomaly

40.4475, 0.4814, 0.4345

Tritanomaly

40.5411, 0.4693, 0.3584

Monochromacy



Original Color

40.8278, 0.5128, 0.4068

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.5498, 0.3876, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8278, 0.5128, 0.4068 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 142, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 142, 49) }
```

Border

The CSS property to change the border of an element to Yxy 40.8278, 0.5128, 0.4068 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, 49) }
```

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

```
.border{ border-color:rgb(255, 142, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 142, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 142, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 142,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8278, 0.5128, 0.4068 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, 49) }
```

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

```
.background{ background-color: rgb(255,  
142, 49) }
```

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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