

Converting Colors

$Y_{xy}(40.5297, 0.5129, 0.4048)$

Have a look what the booklet for
Yxy(40.5297, 0.5129, 0.4048)
contains.

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Color

Yxy(40.5488, 0.5128, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D33
RGB	255, 141, 51
RGB Percent	100%, 55%, 20%
CMY	0.0000, 0.4471, 0.7999
CMYK	0.00, 0.45, 0.80, 0.00
HSL	26°, 100%, 60%
HSV	26°, 80%, 100%
XYZ	51.3672, 40.5488, 8.2540
YIQ	164.8260, 96.8340, -3.8220

Conversions

Conversions Part 2

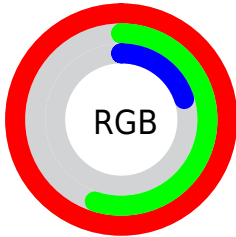
Format	Color
R _Y B	255, 212, 51
Decimal	16747827
CIE Lab	69.86, 37.19, 63.39
CIE LCh	70, 73.494, 59.598
Yxy	40.5488, 0.5128, 0.4048
Android (android.graphics.Color)	4294937907 (0xFFFF8D33)
YUV	164.8260, -56.1162, 79.0826
Hunter-Lab	63.6779, 32.5544, 36.8893

Details

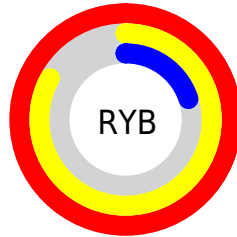
The Yxy color **40.5488, 0.5128, 0.4048** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.8453, 0.1965, 0.2083**, and the grayscale version is **37.7783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7393, 0.4322, 0.4203**, and **18.3512, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **36.4454, 0.5392, 0.4013**, and if you desaturate by 10%, it is **45.3149, 0.4831, 0.4030**.

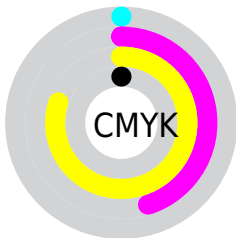
Distribution



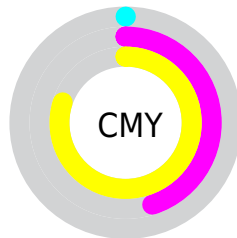
- Red (100%)
- Green (55%)
- Blue (20%)



- Red (100%)
- Yellow (83%)
- Blue (20%)



- Cyan (0%)
- Magenta (45%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (45%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5488, 0.5128, 0.4048 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 40.5488, 0.5128, 0.4048 by changing the saturation by 10% instead.


 40.5488, 0.5128,
0.4048


 40.5488, 0.5128,
0.4048


348.4313, 0.4163,
0.3793


 27.9667, 0.5333,
0.4062


 75.9985, 0.4800,
0.3992

 18.3006, 0.5570,
0.4050


 99.6349, 0.4669,
0.3960


 11.1660, 0.5860,
0.4007


 127.7248, 0.4555,
0.3928

 6.1786, 0.6145,
0.3855

 160.6526, 0.4456,
0.3897

 2.9540, 0.6448,
0.3552

 198.8028, 0.4369,
0.3869

 1.1078, 0.6928,
0.3072

 242.5597, 0.4292,

 0.0000, 1.0000,

0.3842

0.0000

292.3077, 0.4224,
0.3817

■ 0.0000, 0.0000,
0.0000

■ 40.5488, 0.5128,
0.4048

■ 40.5488, 0.5128,
0.4048

■ 36.4454, 0.5392,
0.4013

■ 45.3149, 0.4831,
0.4030

■ 32.9574, 0.5611,
0.3927

■ 50.7827, 0.4524,
0.3966

■ 32.9541, 0.5611,
0.3927

■ 56.9848, 0.4226,
0.3872

■ 63.9516, 0.3950,
0.3760

■ 71.7116, 0.3702,
0.3639

80.2915, 0.3482,
0.3518

89.7166, 0.3292,
0.3401

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.



40.5488, 0.5108, 0.3332



40.5488, 0.5128, 0.4048



40.5488, 0.4559, 0.4777

Triad

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



40.5488, 0.5128, 0.4048



40.5488, 0.1906, 0.3896



40.5488, 0.2308, 0.1834

Complementary

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



40.5488, 0.5128, 0.4048



34.8453, 0.1965, 0.2083

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.



40.5488, 0.1692, 0.1787



40.5488, 0.5128, 0.4048



40.5488, 0.1478, 0.2747

Square

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



40.5488, 0.5128, 0.4048



40.5488, 0.2707, 0.5005



40.5488, 0.1422, 0.2056



40.5488, 0.3277, 0.2146

Rectangle

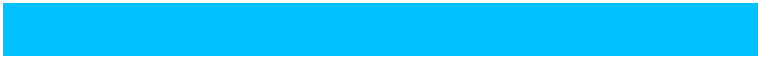
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5488, 0.5128, 0.4048



40.5488, 0.3990, 0.5162



40.5488, 0.1422, 0.2056



40.5488, 0.2061, 0.1787

Sweetspot

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



40.5481, 0.5128, 0.4048



76.7506, 0.3567, 0.3567



26.4056, 0.4306, 0.2303



15.7785, 0.3646, 0.3610



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.



40.5481, 0.5128, 0.4048



34.2814, 0.5528, 0.3965



84.6480, 0.4227, 0.4874



19.3056, 0.3283, 0.3395



17.5053, 0.5583, 0.3949



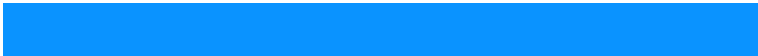
1.9178, 0.5386, 0.4105

Inverse Universe

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



34.8453, 0.1965, 0.2083



28.1598, 0.1842, 0.1813



11.6621, 0.1654, 0.0906



19.0619, 0.2979, 0.3183



14.2654, 0.1827, 0.1775



1.6068, 0.1879, 0.1963

Previews

White Background



This preview shows how the Yxy color 40.5488, 0.5128, 0.4048 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 40.5488, 0.5128, 0.4048 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 40.5488, 0.5128, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 40.5488, 0.5128, 0.4048.



This preview shows how white text looks on a background with the Yxy color 40.5488, 0.5128, 0.4048.

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

40.5488, 0.5128, 0.4048

Protanopia

40.5180, 0.4216, 0.4637

Deuteranopia

40.4622, 0.4610, 0.4508



Tritanopia

40.5711, 0.4342, 0.3211

Trichromacy



Original Color

40.5488, 0.5128, 0.4048

Protanomaly

39.7233, 0.4558, 0.4414

Deuteranomaly

40.1315, 0.4815, 0.4325

Tritanomaly

40.2771, 0.4690, 0.3564

Monochromacy



Original Color

40.5488, 0.5128, 0.4048

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.2379, 0.3871, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5488, 0.5128, 0.4048 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, 141, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 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, 141, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 51) }
```

Border

The CSS property to change the border of an element to Yxy 40.5488, 0.5128, 0.4048 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, 141, 51) }
```

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

```
.border{ border-color:rgb(255, 141, 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, 141, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5488, 0.5128, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 141, 51) }
```

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

```
.background{ background-color: rgb(255,  
141, 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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