

Converting Colors

$Y_{xy}(40.2076, 0.5282, 0.4188)$

Have a look what the booklet for
Yxy(40.2076, 0.5282, 0.4188)
contains.

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Color

Yxy(40.3098, 0.5278, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	FF8D00
RGB	255, 141, 0
RGB Percent	100%, 55%, 0%
CMY	0.0000, 0.4470, 0.9996
CMYK	0.00, 0.45, 1.00, 0.00
HSL	33°, 100%, 50%
HSV	33°, 100%, 100%
XYZ	50.7648, 40.3098, 5.1073
YIQ	159.0120, 113.2050, -19.6830

Conversions

Conversions Part 2

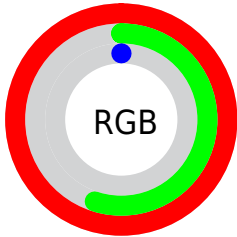
Format	Color
R_{YB}	206, 255, 0
Decimal	16747776
CIE _{Lab}	69.69, 36.32, 75.61
CIE _{LCh}	70, 83.884, 64.341
Yxy	40.3098, 0.5278, 0.4191
Android (android.graphics.Color)	4294937856 (0xFFFF8D00)
YUV	159.0120, -78.3929, 84.1815
Hunter-Lab	63.4900, 31.6159, 39.6736

Details

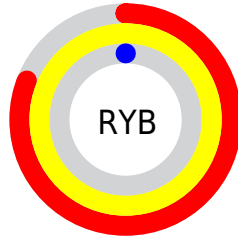
The Yxy color **40.3098, 0.5278, 0.4191** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **19.2731, 0.1715, 0.1373**, and the grayscale version is **35.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7982, 0.4496, 0.4407**, and **18.2211, 0.5510, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **40.2998, 0.5278, 0.4191**, and if you desaturate by 10%, it is **43.9225, 0.5104, 0.4252**.

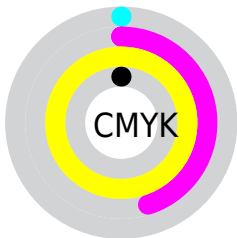
Distribution



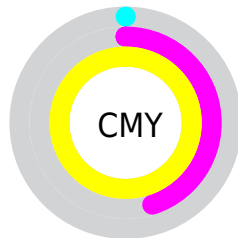
- Red (100%)
- Green (55%)
- Blue (0%)



- Red (81%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (45%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3098, 0.5278, 0.4191 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 40.3098, 0.5278, 0.4191 by changing the saturation by 10% instead.


 40.3098, 0.5278,
0.4191


 40.3098, 0.5278,
0.4191


347.4276, 0.4283,
0.3915


 27.7802, 0.5469,
0.4192


 75.6350, 0.4955,
0.4142


 18.1600, 0.5679,
0.4160


 99.1994, 0.4821,
0.4108


 11.0649, 0.5919,
0.4081


 127.2109, 0.4703,
0.4073


 6.1105, 0.6123,
0.3877

 160.0538, 0.4599,
0.4038

 2.9124, 0.6422,
0.3578

 198.1125, 0.4506,
0.4005


 1.0862, 0.6900,
0.3100

 241.7714, 0.4423,


 0.0000, 1.0000,

0.3973


0.0000


 291.4150, 0.4350,
0.3943

 0.0000, 0.0000,
0.0000

 40.3098, 0.5278,
0.4191

 40.3098, 0.5278,
0.4191


 40.2998, 0.5278,
0.4191

 43.9225, 0.5104,
0.4252

 47.9839, 0.4893,
0.4263

 52.5342, 0.4653,
0.4220

 57.6004, 0.4399,
0.4132

 63.2060, 0.4145,
0.4012

69.3727, 0.3902,
0.3872

76.1203, 0.3676,
0.3724

83.4674, 0.3471,
0.3574

91.4316, 0.3288,
0.3428

Harmonies

Analogous

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



40.3098, 0.5426, 0.3409



40.3098, 0.5278, 0.4191



40.3098, 0.4531, 0.5022

Triad

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



40.3098, 0.5278, 0.4191



40.3098, 0.1644, 0.3738



40.3098, 0.2347, 0.1720

Complementary

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



40.3098, 0.5278, 0.4191



19.2731, 0.1715, 0.1373

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.



40.3098, 0.1618, 0.1617



40.3098, 0.5278, 0.4191



40.3098, 0.1269, 0.2490

Square

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



40.3098, 0.5278, 0.4191



40.3098, 0.2458, 0.5141



40.3098, 0.1276, 0.1832



40.3098, 0.3486, 0.2098

Rectangle

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



40.3098, 0.5278, 0.4191



40.3098, 0.3867, 0.5464



40.3098, 0.1276, 0.1832



40.3098, 0.2056, 0.1654

Sweetspot

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



40.3120, 0.5278, 0.4191



76.0970, 0.3677, 0.3724



22.4946, 0.5216, 0.2647



15.6637, 0.3769, 0.3787



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.



40.3120, 0.5278, 0.4191



40.3007, 0.5278, 0.4191



90.4403, 0.4105, 0.5123



19.6522, 0.3280, 0.3421



21.3607, 0.5256, 0.4209



2.2980, 0.5101, 0.4332

Inverse Universe

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



19.2731, 0.1715, 0.1373



19.2616, 0.1715, 0.1372



7.3061, 0.1511, 0.0606



18.7151, 0.2979, 0.3155



10.3523, 0.1723, 0.1402



1.2221, 0.1783, 0.1620

Previews

White Background



This preview shows how the Yxy color 40.3098, 0.5278, 0.4191 looks on a white background.

Color Contrast Check

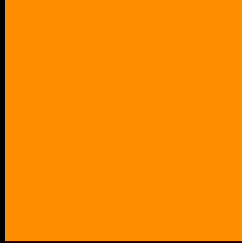
Large Text (above 18pt) WCAG AA × Fail

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 40.3098, 0.5278, 0.4191 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 40.3098, 0.5278, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 40.3098, 0.5278, 0.4191.



This preview shows how white text looks on a background with the Yxy color 40.3098, 0.5278, 0.4191.

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

40.3098, 0.5278, 0.4191

Protanopia

40.5174, 0.4378, 0.4835

Deuteranopia

40.4396, 0.4723, 0.4632



Tritanopia

40.2934, 0.4347, 0.3201

Trichromacy



Original Color

40.3098, 0.5278, 0.4191

Protanomaly

39.7696, 0.4728, 0.4591

Deuteranomaly

39.9342, 0.4937, 0.4462

Tritanomaly

39.9067, 0.4874, 0.3735

Monochromacy



Original Color

40.3098, 0.5278, 0.4191

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.8654, 0.4078, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3098, 0.5278, 0.4191 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 141, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.3098, 0.5278, 0.4191 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, 0) }
```

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

```
.border{ border-color:rgb(255, 141, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3098, 0.5278, 0.4191 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
141, 0) }
```

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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