

Converting Colors

$Y_{xy}(47.2078, 0.5035, 0.4384)$

Have a look what the booklet for
Yxy(47.2078, 0.5035, 0.4384)
contains.

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Color

Yxy(47.1007, 0.5038, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	FFA200
RGB	255, 162, 0
RGB Percent	100%, 64%, 0%
CMY	0.0001, 0.3646, 1.0000
CMYK	0.00, 0.36, 1.00, 0.00
HSL	38°, 100%, 50%
HSV	38°, 100%, 100%
XYZ	54.1518, 47.1007, 6.2342
YIQ	171.3390, 107.4300, -30.6660

Conversions

Conversions Part 2

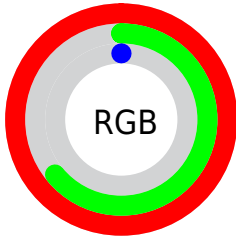
Format	Color
RYB	146, 255, 0
Decimal	16753152
CIELab	74.25, 25.48, 78.53
CIELCh	74, 82.555, 72.025
Yxy	47.1007, 0.5038, 0.4382
Android (android.graphics.Color)	4294943232 (0xFFFFA200)
YUV	171.3390, -84.4701, 73.3707
Hunter-Lab	68.6299, 20.7414, 42.6552

Details

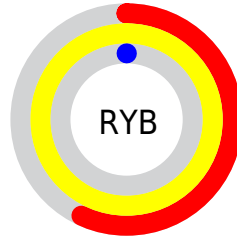
The Yxy color **47.1007, 0.5038, 0.4382** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **15.0372, 0.1647, 0.1128**, and the grayscale version is **41.2995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4502, 0.4310, 0.4564**, and **22.3583, 0.5198, 0.4255** is the 20% darker color. If you saturate the color by 10%, you get **47.1033, 0.5038, 0.4382**, and if you desaturate by 10%, it is **50.5729, 0.4900, 0.4422**.

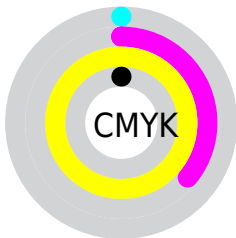
Distribution



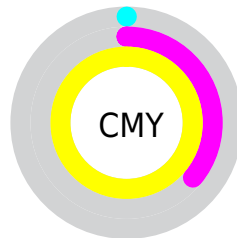
- Red (100%)
- Green (64%)
- Blue (0%)



- Red (57%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (36%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (36%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1007, 0.5038, 0.4382 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 47.1007, 0.5038, 0.4382 by changing the saturation by 10% instead.


 47.1007, 0.5038,
0.4382


 47.1007, 0.5038,
0.4382


375.2163, 0.4186,
0.3998

 33.1153, 0.5195,
0.4416


 85.8639, 0.4767,
0.4289


 22.2148, 0.5363,
0.4428


 111.4105, 0.4653,
0.4240

 14.0148, 0.5572,
0.4428


 141.5796, 0.4552,
0.4192

 8.1310, 0.5702,
0.4298

 176.7555, 0.4462,
0.4148

 4.1789, 0.5891,
0.4109

 217.3228, 0.4381,
0.4106

 1.7741, 0.6188,
0.3812

 263.6658, 0.4309,

 0.4710, 0.6984,

0.4067

0.3016

316.1688, 0.4244,
0.4031

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.1007, 0.5038,
0.4382

■ 47.1007, 0.5038,
0.4382

■ 47.1033, 0.5038,
0.4382

■ 50.5729, 0.4900,
0.4422

■ 54.3838, 0.4729,
0.4414

■ 58.5698, 0.4530,
0.4354

■ 63.1533, 0.4313,
0.4249

68.1536, 0.4089,
0.4112

73.5882, 0.3868,
0.3954

79.4730, 0.3658,
0.3785

85.8229, 0.3464,
0.3615

92.6518, 0.3287,
0.3449

Harmonies

Analogous

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



47.1007, 0.5330, 0.3615



47.1007, 0.5038, 0.4382



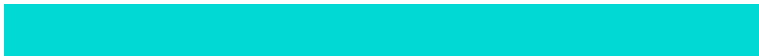
47.1007, 0.4253, 0.5125

Triad

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



47.1007, 0.5038, 0.4382



47.1007, 0.1596, 0.3374



47.1007, 0.2639, 0.1864

Complementary

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



47.1007, 0.5038, 0.4382



15.0372, 0.1647, 0.1128

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.



47.1007, 0.1835, 0.1696



47.1007, 0.5038, 0.4382



47.1007, 0.1328, 0.2338

Square

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



47.1007, 0.5038, 0.4382



47.1007, 0.2279, 0.4717



47.1007, 0.1414, 0.1823



47.1007, 0.3779, 0.2290

Rectangle

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



47.1007, 0.5038, 0.4382



47.1007, 0.3599, 0.5418



47.1007, 0.1414, 0.1823



47.1007, 0.2326, 0.1777

Sweetspot

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



47.1033, 0.5038, 0.4382



79.4945, 0.3658, 0.3785



22.0532, 0.5561, 0.2837



16.4719, 0.3745, 0.3857



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.



47.1033, 0.5038, 0.4382



47.1159, 0.5038, 0.4382



86.8686, 0.3956, 0.5241



19.9118, 0.3278, 0.3441



24.9133, 0.5020, 0.4396



2.6339, 0.4901, 0.4491

Inverse Universe

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



15.0372, 0.1647, 0.1128



15.0411, 0.1647, 0.1128



7.5581, 0.1542, 0.0623



18.4618, 0.2979, 0.3135



8.1177, 0.1655, 0.1158



0.9897, 0.1717, 0.1382

Previews

White Background



This preview shows how the Yxy color 47.1007, 0.5038, 0.4382 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 47.1007, 0.5038, 0.4382 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 47.1007, 0.5038, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 47.1007, 0.5038, 0.4382.



This preview shows how white text looks on a background with the Yxy color 47.1007, 0.5038, 0.4382.

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

47.1007, 0.5038, 0.4382

Protanopia

47.4465, 0.4374, 0.4860

Deuteranopia

47.2610, 0.4718, 0.4636



Tritanopia

47.0515, 0.4030, 0.3187

Trichromacy



Original Color

47.1007, 0.5038, 0.4382

Protanomaly

46.9221, 0.4624, 0.4684

Deuteranomaly

47.2747, 0.4835, 0.4543

Tritanomaly

46.3734, 0.4601, 0.3824

Monochromacy



Original Color

47.1007, 0.5038, 0.4382

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.6659, 0.3987, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1007, 0.5038, 0.4382 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, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 162, 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, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 162, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.1007, 0.5038, 0.4382 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, 162, 0) }
```

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

```
.border{ border-color:rgb(255, 162, 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, 162, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 162,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1007, 0.5038, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 162, 0) }
```

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

```
.background{ background-color: rgb(255,  
162, 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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