

Converting Colors

$Y_{xy}(45.3975, 0.5059, 0.4365)$

Have a look what the booklet for
Yxy(45.3975, 0.5059, 0.4365)
contains.

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Color

Yxy(45.1492, 0.5061, 0.4363)

Conversions

Conversions Part 1

Format	Color
Hex	FC9E00
RGB	252, 158, 0
RGB Percent	99%, 62%, 0%
CMY	0.0118, 0.3804, 0.9991
CMYK	0.00, 0.37, 1.00, 0.01
HSL	38°, 100%, 49%
HSV	38°, 100%, 99%
XYZ	52.3722, 45.1492, 5.9606
YIQ	168.0940, 106.7420, -29.2100

Conversions

Conversions Part 2

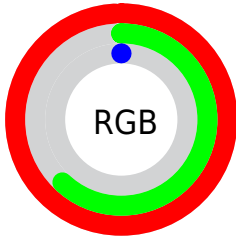
Format	Color
RYB	150, 252, 0
Decimal	16555520
CIELab	72.99, 26.33, 77.49
CIELCh	73, 81.843, 71.230
Yxy	45.1492, 0.5061, 0.4363
Android (android.graphics.Color)	4294745600 (0xFFFC9E00)
YUV	168.0940, -82.8703, 73.5856
Hunter-Lab	67.1932, 21.5399, 41.7757

Details

The Yxy color **45.1492, 0.5061, 0.4363** 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 **15.0744, 0.1654, 0.1155**, and the grayscale version is **39.5969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3986, 0.4343, 0.4538**, and **21.1269, 0.5231, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **45.1216, 0.5062, 0.4363**, and if you desaturate by 10%, it is **48.5566, 0.4919, 0.4405**.

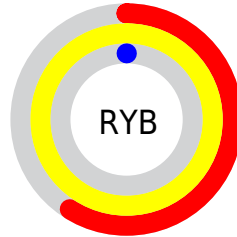
Distribution



Red (99%)

Green (62%)

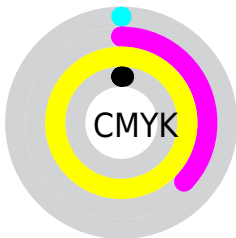
Blue (0%)



Red (59%)

Yellow (99%)

Blue (0%)

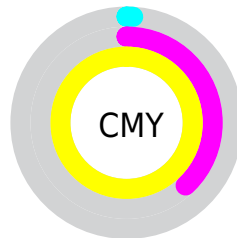


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (1%)



Cyan (1%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1492, 0.5061, 0.4363 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 45.1492, 0.5061, 0.4363 by changing the saturation by 10% instead.


 45.1492, 0.5061,
0.4363

 45.1492, 0.5061,
0.4363


367.3775, 0.4190,
0.3986

 31.5750, 0.5223,
0.4394


 82.9443, 0.4783,
0.4273

 21.0371, 0.5396,
0.4401


 107.9339, 0.4667,
0.4225

 13.1511, 0.5609,
0.4391


 137.4974, 0.4563,
0.4178

 7.5327, 0.5749,
0.4251

 172.0192, 0.4471,
0.4134

 3.7974, 0.5953,
0.4047

 211.8837, 0.4389,
0.4093

 1.5609, 0.6278,
0.3722

 257.4754, 0.4316,

 0.3310, 0.7442,

0.4055

0.2558

309.1785, 0.4250,
0.4019

0.0000, 0.0000,
0.0000

45.1492, 0.5061,
0.4363

45.1492, 0.5061,
0.4363

45.1216, 0.5062,
0.4363

48.5566, 0.4919,
0.4405

52.3048, 0.4744,
0.4398

56.4292, 0.4540,
0.4339

60.9517, 0.4319,
0.4235

65.8916, 0.4092,
0.4100

71.2660, 0.3869,
0.3943

77.0909, 0.3658,
0.3777

83.3810, 0.3463,
0.3609

90.1500, 0.3285,
0.3445

Harmonies

Analogous

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



45.1492, 0.5339, 0.3594



45.1492, 0.5061, 0.4363



45.1492, 0.4281, 0.5115

Triad

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



45.1492, 0.5061, 0.4363



45.1492, 0.1601, 0.3408



45.1492, 0.2609, 0.1850

Complementary

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



45.1492, 0.5061, 0.4363



15.0744, 0.1654, 0.1155

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.



45.1492, 0.1813, 0.1689



45.1492, 0.5061, 0.4363



45.1492, 0.1323, 0.2353

Square

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



45.1492, 0.5061, 0.4363



45.1492, 0.2298, 0.4758



45.1492, 0.1401, 0.1825



45.1492, 0.3750, 0.2272

Rectangle

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



45.1492, 0.5061, 0.4363



45.1492, 0.3626, 0.5424



45.1492, 0.1401, 0.1825



45.1492, 0.2299, 0.1766

Sweetspot

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



45.1516, 0.5061, 0.4363



79.1272, 0.3660, 0.3779



21.5582, 0.5490, 0.2799



16.3843, 0.3748, 0.3850



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.



45.1516, 0.5061, 0.4363



46.3332, 0.5063, 0.4362



85.2481, 0.3986, 0.5217



19.0379, 0.3278, 0.3438



23.7972, 0.5044, 0.4377



2.4073, 0.4915, 0.4480

Inverse Universe

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



15.0744, 0.1654, 0.1155



15.4401, 0.1653, 0.1152



7.3032, 0.1534, 0.0619



17.7045, 0.2979, 0.3137



8.0975, 0.1662, 0.1184



0.9458, 0.1728, 0.1420

Previews

White Background



This preview shows how the Yxy color 45.1492, 0.5061, 0.4363 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 45.1492, 0.5061, 0.4363 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 45.1492, 0.5061, 0.4363

Background



This preview shows how black text looks on a background with the Yxy color 45.1492, 0.5061, 0.4363.



This preview shows how white text looks on a background with the Yxy color 45.1492, 0.5061, 0.4363.

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

45.1492, 0.5061, 0.4363

Protanopia

45.3827, 0.4386, 0.4848

Deuteranopia

45.0803, 0.4728, 0.4628



Tritanopia

45.2581, 0.4103, 0.3188

Trichromacy



Original Color

45.1492, 0.5061, 0.4363

Protanomaly

44.9037, 0.4640, 0.4668

Deuteranomaly

45.1053, 0.4847, 0.4533

Tritanomaly

44.4669, 0.4656, 0.3802

Monochromacy



Original Color

45.1492, 0.5061, 0.4363

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7546, 0.3999, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1492, 0.5061, 0.4363 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(252, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 158, 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(252, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 158, 0) }
```

Border

The CSS property to change the border of an element to Yxy 45.1492, 0.5061, 0.4363 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(252, 158, 0) }
```

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

```
.border{ border-color:rgb(252, 158, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 158, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 158,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1492, 0.5061, 0.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 158, 0) }
```

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

```
.background{ background-color: rgb(252,  
158, 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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