

Converting Colors

$Y_{xy}(45.0177, 0.5100, 0.4321)$

Have a look what the booklet for
Yxy(45.0177, 0.5100, 0.4321)
contains.

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Color

Yxy(45.0479, 0.5099, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	FF9C05
RGB	255, 156, 5
RGB Percent	100%, 61%, 2%
CMY	0.0001, 0.3881, 0.9807
CMYK	0.00, 0.39, 0.98, 0.00
HSL	36°, 100%, 51%
HSV	36°, 98%, 100%
XYZ	53.1465, 45.0479, 6.0349
YIQ	168.3870, 107.4750, -25.9730

Conversions

Conversions Part 2

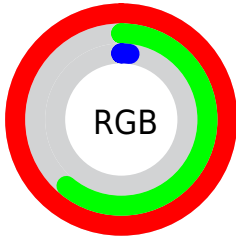
Format	Color
R_{YB}	169, 255, 5
Decimal	16751621
CIE Lab	72.92, 28.63, 77.06
CIE LCh	73, 82.209, 69.618
Yxy	45.0479, 0.5099, 0.4322
Android (android.graphics.Color)	4294941701 (0xFFFF9C05)
YUV	168.3870, -80.5498, 75.9596
Hunter-Lab	67.1177, 23.8874, 41.6514

Details

The Yxy color **45.0479, 0.5099, 0.4322** 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 **17.1221, 0.1684, 0.1251**, and the grayscale version is **39.7207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4130, 0.4353, 0.4516**, and **21.1071, 0.5289, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **44.3911, 0.5127, 0.4311**, and if you desaturate by 10%, it is **48.6639, 0.4942, 0.4363**.

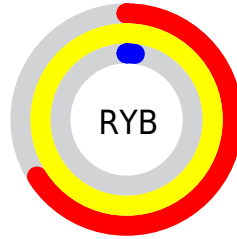
Distribution



Red (100%)

Green (61%)

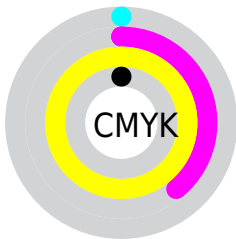
Blue (2%)



Red (66%)

Yellow (100%)

Blue (2%)

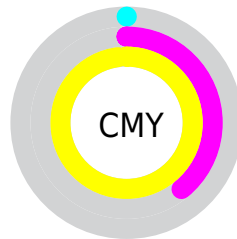


Cyan (0%)

Magenta (39%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0479, 0.5099, 0.4322 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 45.0479, 0.5099, 0.4322 by changing the saturation by 10% instead.


 45.0479, 0.5099,
0.4322

 45.0479, 0.5099,
0.4322


366.9675, 0.4208,
0.3968

 31.4952, 0.5266,
0.4348


 82.7923, 0.4813,
0.4240

 20.9762, 0.5446,
0.4348


 107.7527, 0.4694,
0.4195

 13.1066, 0.5670,
0.4330


 137.2845, 0.4588,
0.4152

 7.5020, 0.5820,
0.4180

 171.7720, 0.4494,
0.4110

 3.7780, 0.6039,
0.3961

 211.5997, 0.4410,
0.4071

 1.5502, 0.6386,
0.3614

 257.1519, 0.4335,

 0.3236, 0.7587,

0.4034

0.2413

308.8131, 0.4268,
0.4000

■ 0.0000, 0.0000,
0.0000

■ 45.0479, 0.5099,
0.4322

■ 45.0479, 0.5099,
0.4322

■ 44.3911, 0.5127,
0.4311

■ 48.6639, 0.4942,
0.4363

■ 52.6690, 0.4751,
0.4351

■ 57.0951, 0.4532,
0.4288

■ 61.9653, 0.4300,
0.4182

■ 67.2999, 0.4065,
0.4047

73.1173, 0.3838,
0.3893

79.4345, 0.3626,
0.3731

86.2674, 0.3431,
0.3569

93.6309, 0.3255,
0.3411

Harmonies

Analogous

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



45.0479, 0.5344, 0.3554



45.0479, 0.5099, 0.4322



45.0479, 0.4333, 0.5087

Triad

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



45.0479, 0.5099, 0.4322



45.0479, 0.1621, 0.3479



45.0479, 0.2553, 0.1829

Complementary

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



45.0479, 0.5099, 0.4322



17.1221, 0.1684, 0.1251

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.



45.0479, 0.1777, 0.1682



45.0479, 0.5099, 0.4322



45.0479, 0.1321, 0.2390

Square

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



45.0479, 0.5099, 0.4322



45.0479, 0.2341, 0.4830



45.0479, 0.1382, 0.1836



45.0479, 0.3687, 0.2239

Rectangle

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



45.0479, 0.5099, 0.4322



45.0479, 0.3681, 0.5421



45.0479, 0.1382, 0.1836



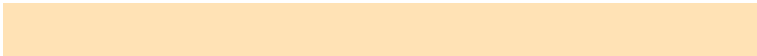
45.0479, 0.2249, 0.1749

Sweetspot

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



45.0503, 0.5099, 0.4322



78.8491, 0.3645, 0.3746



22.3791, 0.5373, 0.2744



16.2910, 0.3734, 0.3816



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.



45.0503, 0.5099, 0.4322



44.4042, 0.5127, 0.4311



88.3260, 0.4016, 0.5186



19.8136, 0.3279, 0.3433



23.5018, 0.5108, 0.4326



2.5017, 0.4975, 0.4432

Inverse Universe

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



17.1221, 0.1684, 0.1251



16.5080, 0.1671, 0.1216



7.5995, 0.1536, 0.0627



18.5570, 0.2979, 0.3142



8.8968, 0.1680, 0.1246



1.0722, 0.1742, 0.1470

Previews

White Background



This preview shows how the Yxy color 45.0479, 0.5099, 0.4322 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 45.0479, 0.5099, 0.4322 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 45.0479, 0.5099, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 45.0479, 0.5099, 0.4322.



This preview shows how white text looks on a background with the Yxy color 45.0479, 0.5099, 0.4322.

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

45.0479, 0.5099, 0.4322

Protanopia

45.2461, 0.4375, 0.4853

Deuteranopia

45.0803, 0.4728, 0.4628



Tritanopia

44.9084, 0.4117, 0.3188

Trichromacy



Original Color

45.0479, 0.5099, 0.4322

Protanomaly

44.5297, 0.4648, 0.4655

Deuteranomaly

44.9192, 0.4864, 0.4515

Tritanomaly

44.3525, 0.4663, 0.3781

Monochromacy



Original Color

45.0479, 0.5099, 0.4322

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.9344, 0.3991, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0479, 0.5099, 0.4322 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, 156, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 5)  
}
```

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, 156, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 5) }
```

Border

The CSS property to change the border of an element to Yxy 45.0479, 0.5099, 0.4322 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, 156, 5) }
```

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

```
.border{ border-color:rgb(255, 156, 5) }
```

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

Here you see how a box with a 4 pixel rgb(255, 156, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0479, 0.5099, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 5) }
```

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

```
.background{ background-color: rgb(255,  
156, 5) }
```

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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