

Converting Colors

$Y_{xy}(43.7403, 0.5144, 0.4286)$

Have a look what the booklet for
Yxy(43.7403, 0.5144, 0.4286)
contains.

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Color

Yxy(43.7274, 0.5145, 0.4285)

Conversions

Conversions Part 1

Format	Color
Hex	FF9805
RGB	255, 152, 5
RGB Percent	100%, 60%, 2%
CMY	0.0000, 0.4040, 0.9803
CMYK	0.00, 0.40, 0.98, 0.00
HSL	35°, 100%, 51%
HSV	35°, 98%, 100%
XYZ	52.5035, 43.7274, 5.8167
YIQ	166.0390, 108.5750, -23.8810

Conversions

Conversions Part 2

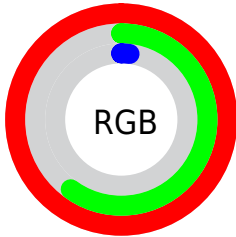
Format	Color
R _Y B	180, 255, 5
Decimal	16750597
CIE Lab	72.05, 30.75, 76.48
CIE LCh	72, 82.428, 68.099
Yxy	43.7274, 0.5145, 0.4285
Android (android.graphics.Color)	4294940677 (0xFFFF9805)
YUV	166.0390, -79.3922, 78.0188
Hunter-Lab	66.1267, 26.0043, 41.0734

Details

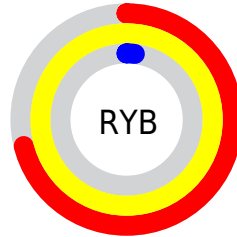
The Yxy color **43.7274, 0.5145, 0.4285** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **17.9834, 0.1698, 0.1300**, and the grayscale version is **38.5030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4502, 0.4383, 0.4483**, and **20.1907, 0.5341, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **43.0480, 0.5175, 0.4273**, and if you desaturate by 10%, it is **47.3730, 0.4981, 0.4330**.

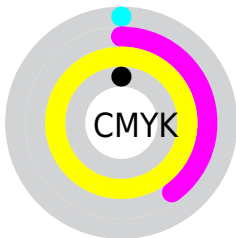
Distribution



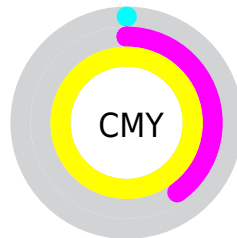
- Red (100%)
- Green (60%)
- Blue (2%)



- Red (71%)
- Yellow (100%)
- Blue (2%)



- Cyan (0%)
- Magenta (40%)
- Yellow (98%)
- Black (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7274, 0.5145, 0.4285 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 43.7274, 0.5145, 0.4285 by changing the saturation by 10% instead.


 43.7274, 0.5145,
0.4285

 43.7274, 0.5145,
0.4285

361.5947, 0.4226,
0.3952


 30.4563, 0.5319,
0.4304


 80.8074, 0.4849,
0.4212


 20.1852, 0.5507,
0.4296


 105.3850, 0.4726,
0.4170

 12.5297, 0.5737,
0.4263


 134.5003, 0.4617,
0.4128

 7.1055, 0.5901,
0.4099

 168.5376, 0.4520,
0.4088

 3.5282, 0.6141,
0.3859

 207.8812, 0.4434,
0.4051

 1.4133, 0.6523,
0.3477

 252.9157, 0.4357,

 0.2265, 0.8110,

0.4016


0.1890


 304.0254, 0.4288,
0.3983


 0.0000, 0.0000,
0.0000

 43.7274, 0.5145,
0.4285


 43.7274, 0.5145,
0.4285

 43.0480, 0.5175,
0.4273

 47.3730, 0.4981,
0.4330

 51.4352, 0.4781,
0.4322

 55.9412, 0.4555,
0.4262

 60.9151, 0.4315,
0.4159

 66.3779, 0.4075,
0.4027

72.3490, 0.3843,
0.3877

78.8460, 0.3628,
0.3719

85.8855, 0.3431,
0.3561

93.4832, 0.3255,
0.3407

Harmonies

Analogous

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



43.7274, 0.5361, 0.3514



43.7274, 0.5145, 0.4285



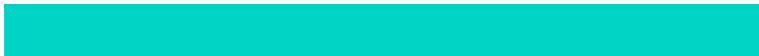
43.7274, 0.4387, 0.5067

Triad

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



43.7274, 0.5145, 0.4285



43.7274, 0.1631, 0.3549



43.7274, 0.2497, 0.1801

Complementary

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



43.7274, 0.5145, 0.4285



17.9834, 0.1698, 0.1300

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.



43.7274, 0.1735, 0.1667



43.7274, 0.5145, 0.4285



43.7274, 0.1311, 0.2420

Square

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



43.7274, 0.5145, 0.4285



43.7274, 0.2377, 0.4911



43.7274, 0.1356, 0.1838



43.7274, 0.3630, 0.2202

Rectangle

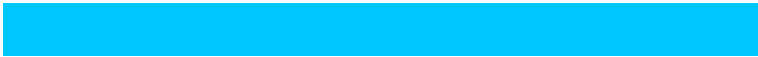
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



43.7274, 0.5145, 0.4285



43.7274, 0.3734, 0.5430



43.7274, 0.1356, 0.1838



43.7274, 0.2197, 0.1725

Sweetspot

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



43.7244, 0.5145, 0.4285



78.1936, 0.3648, 0.3734



22.4769, 0.5304, 0.2706



16.1342, 0.3738, 0.3802



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.



43.7244, 0.5145, 0.4285



43.0480, 0.5175, 0.4273



89.0519, 0.4045, 0.5163



19.7622, 0.3279, 0.3430



22.7949, 0.5154, 0.4289



2.4349, 0.5015, 0.4400

Inverse Universe

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



17.9834, 0.1698, 0.1300



17.3389, 0.1685, 0.1264



7.5466, 0.1529, 0.0623



18.6072, 0.2979, 0.3146



9.3369, 0.1693, 0.1294



1.1181, 0.1755, 0.1517

Previews

White Background



This preview shows how the Yxy color 43.7274, 0.5145, 0.4285 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 43.7274, 0.5145, 0.4285 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 43.7274, 0.5145, 0.4285

Background



This preview shows how black text looks on a background with the Yxy color 43.7274, 0.5145, 0.4285.



This preview shows how white text looks on a background with the Yxy color 43.7274, 0.5145, 0.4285.

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

43.7274, 0.5145, 0.4285

Protanopia

44.1707, 0.4375, 0.4847

Deuteranopia

43.8526, 0.4725, 0.4631



Tritanopia

43.8439, 0.4173, 0.3199

Trichromacy



Original Color

43.7274, 0.5145, 0.4285

Protanomaly

43.6261, 0.4659, 0.4642

Deuteranomaly

43.5072, 0.4882, 0.4501

Tritanomaly

43.3599, 0.4704, 0.3768

Monochromacy



Original Color

43.7274, 0.5145, 0.4285

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5570, 0.4007, 0.3993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7274, 0.5145, 0.4285 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, 152, 5)` looks like.

```
.text, #text, p{  
    color:rgb(255, 152, 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, 152, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 152, 5) }
```

Border

The CSS property to change the border of an element to Yxy 43.7274, 0.5145, 0.4285 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, 152, 5) }
```

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

```
.border{ border-color:rgb(255, 152, 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, 152, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 152, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 152, 5);  
box-shadow:4px 4px 4px 4px rgb(255, 152,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7274, 0.5145, 0.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 152, 5) }
```

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

```
.background{ background-color: rgb(255,  
152, 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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