

Converting Colors

$Y_{xy}(44.1265, 0.5055, 0.4211)$

Have a look what the booklet for
Yxy(44.1265, 0.5055, 0.4211)
contains.

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Color

Yxy(44.1957, 0.5051, 0.4211)

Conversions

Conversions Part 1

Format	Color
Hex	FF9928
RGB	255, 153, 40
RGB Percent	100%, 60%, 16%
CMY	0.0000, 0.3999, 0.8431
CMYK	0.00, 0.40, 0.84, 0.00
HSL	32°, 100%, 58%
HSV	32°, 84%, 100%
XYZ	53.0118, 44.1957, 7.7455
YIQ	170.6160, 97.0650, -13.5190

Conversions

Conversions Part 2

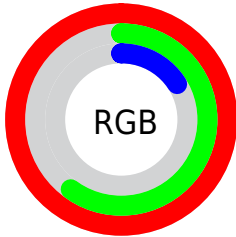
Format	Color
R _Y B	234, 255, 40
Decimal	16750888
CIE Lab	72.36, 30.72, 69.47
CIE LCh	72, 75.961, 66.149
Yxy	44.1957, 0.5051, 0.4211
Android (android.graphics.Color)	4294940968 (0xFFFF9928)
YUV	170.6160, -64.3937, 74.0048
Hunter-Lab	66.4798, 25.9981, 39.6280

Details

The Yxy color **44.1957, 0.5051, 0.4211** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **27.0159, 0.1858, 0.1755**, and the grayscale version is **40.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2348, 0.4283, 0.4366**, and **20.5138, 0.5334, 0.4146** is the 20% darker color. If you saturate the color by 10%, you get **40.3164, 0.5257, 0.4170**, and if you desaturate by 10%, it is **48.5953, 0.4808, 0.4196**.

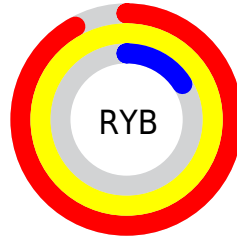
Distribution



Red (100%)

Green (60%)

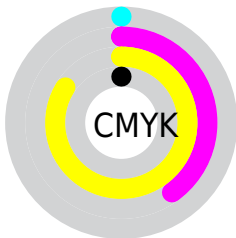
Blue (16%)



Red (92%)

Yellow (100%)

Blue (16%)

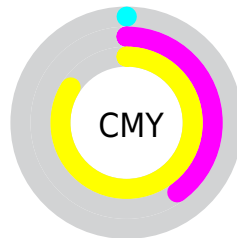


Cyan (0%)

Magenta (40%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1957, 0.5051, 0.4211 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 44.1957, 0.5051, 0.4211 by changing the saturation by 10% instead.


 44.1957, 0.5051,
0.4211


 44.1957, 0.5051,
0.4211


363.5063, 0.4153,
0.3885


 30.8244, 0.5232,
0.4239


 81.5121, 0.4754,
0.4131

 20.4652, 0.5434,
0.4246


 106.2261, 0.4633,
0.4090


 12.7336, 0.5684,
0.4233


 135.4896, 0.4526,
0.4050

 7.2454, 0.5894,
0.4106

 169.6873, 0.4433,
0.4012

 3.6160, 0.6131,
0.3869

 209.2034, 0.4351,
0.3976

 1.4612, 0.6506,
0.3494

 254.4223, 0.4277,

 0.2612, 0.7942,

0.3943

0.2058

305.7285, 0.4212,
0.3913

■ 0.0000, 0.0000,
0.0000

■ 44.1957, 0.5051,
0.4211

■ 44.1957, 0.5051,
0.4211

■ 40.3164, 0.5257,
0.4170

■ 48.5953, 0.4808,
0.4196

■ 38.3159, 0.5360,
0.4126

■ 53.5390, 0.4545,
0.4132

■ 59.0560, 0.4278,
0.4031

■ 65.1703, 0.4020,
0.3905

■ 71.9042, 0.3780,
0.3765

79.2786, 0.3561,
0.3622

87.3131, 0.3366,
0.3481

96.0261, 0.3194,
0.3346

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



44.1957, 0.5182, 0.3484



44.1957, 0.5051, 0.4211



44.1957, 0.4387, 0.4925

Triad

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



44.1957, 0.5051, 0.4211



44.1957, 0.1773, 0.3620



44.1957, 0.2489, 0.1876

Complementary

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



44.1957, 0.5051, 0.4211



27.0159, 0.1858, 0.1755

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.



44.1957, 0.1790, 0.1768



44.1957, 0.5051, 0.4211



44.1957, 0.1431, 0.2550

Square

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



44.1957, 0.5051, 0.4211



44.1957, 0.2505, 0.4823



44.1957, 0.1448, 0.1961



44.1957, 0.3523, 0.2242

Rectangle

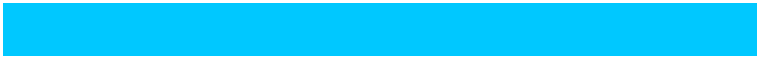
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.1957, 0.5051, 0.4211



44.1957, 0.3786, 0.5250



44.1957, 0.1448, 0.1961



44.1957, 0.2214, 0.1809

Sweetspot

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



44.1980, 0.5051, 0.4211



78.7525, 0.3576, 0.3632



24.7882, 0.4680, 0.2467



16.2892, 0.3650, 0.3682



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.



44.1980, 0.5051, 0.4211



38.3195, 0.5360, 0.4126



92.2512, 0.4131, 0.5010



19.5674, 0.3281, 0.3415



20.3243, 0.5335, 0.4146



2.1978, 0.5170, 0.4277

Inverse Universe

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



27.0159, 0.1858, 0.1755



20.8865, 0.1739, 0.1460



9.2650, 0.1594, 0.0745



18.7991, 0.2979, 0.3162



11.2078, 0.1747, 0.1489



1.3081, 0.1806, 0.1701

Previews

White Background



This preview shows how the Yxy color 44.1957, 0.5051, 0.4211 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 44.1957, 0.5051, 0.4211 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 44.1957, 0.5051, 0.4211

Background



This preview shows how black text looks on a background with the Yxy color 44.1957, 0.5051, 0.4211.



This preview shows how white text looks on a background with the Yxy color 44.1957, 0.5051, 0.4211.

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

44.1957, 0.5051, 0.4211

Protanopia

44.3174, 0.4300, 0.4736

Deuteranopia

44.3222, 0.4659, 0.4571



Tritanopia

44.1843, 0.4158, 0.3199

Trichromacy



Original Color

44.1957, 0.5051, 0.4211

Protanomaly

43.7734, 0.4579, 0.4539

Deuteranomaly

43.9720, 0.4808, 0.4437

Tritanomaly

43.9471, 0.4576, 0.3658

Monochromacy



Original Color

44.1957, 0.5051, 0.4211

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5375, 0.3883, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1957, 0.5051, 0.4211 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, 153, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 40)  
}
```

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, 153, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 40) }
```

Border

The CSS property to change the border of an element to Yxy 44.1957, 0.5051, 0.4211 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, 153, 40) }
```

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

```
.border{ border-color:rgb(255, 153, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 153, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1957, 0.5051, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 40) }
```

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

```
.background{ background-color: rgb(255,  
153, 40) }
```

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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