

Converting Colors

$Y_{xy}(48.6499, 0.4978, 0.4405)$

Have a look what the booklet for
Yxy(48.6499, 0.4978, 0.4405)
contains.

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Color

Yxy(48.5566, 0.4981, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	FFA60B
RGB	255, 166, 11
RGB Percent	100%, 65%, 4%
CMY	0.0001, 0.3489, 0.9569
CMYK	0.00, 0.35, 0.96, 0.00
HSL	38°, 100%, 52%
HSV	38°, 96%, 100%
XYZ	54.9308, 48.5566, 6.7933
YIQ	174.9410, 102.7990, -29.3370

Conversions

Conversions Part 2

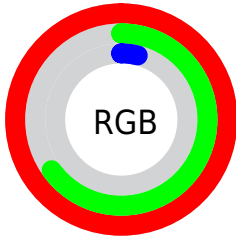
Format	Color
RYB	151, 255, 11
Decimal	16754187
CIELab	75.17, 23.49, 77.87
CIELCh	75, 81.339, 73.216
Yxy	48.5566, 0.4981, 0.4403
Android (android.graphics.Color)	4294944267 (0xFFFFA60B)
YUV	174.9410, -80.8229, 70.2117
Hunter-Lab	69.6826, 18.7672, 42.9977

Details

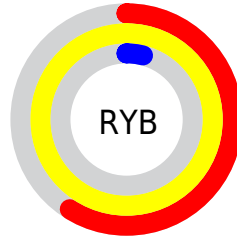
The Yxy color **48.5566, 0.4981, 0.4403** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **16.3961, 0.1676, 0.1208**, and the grayscale version is **43.2259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5974, 0.4264, 0.4571**, and **23.2411, 0.5138, 0.4302** is the 20% darker color. If you saturate the color by 10%, you get **47.0993, 0.5038, 0.4382**, and if you desaturate by 10%, it is **52.1691, 0.4830, 0.4425**.

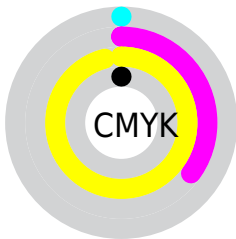
Distribution



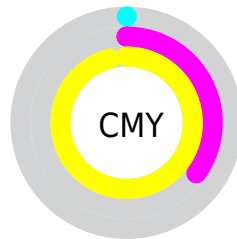
- Red (100%)
- Green (65%)
- Blue (4%)



- Red (59%)
- Yellow (100%)
- Blue (4%)



- Cyan (0%)
- Magenta (35%)
- Yellow (96%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5566, 0.4981, 0.4403 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 48.5566, 0.4981, 0.4403 by changing the saturation by 10% instead.


 48.5566, 0.4981,
0.4403


 48.5566, 0.4981,
0.4403


380.9941, 0.4156,
0.4001


 34.2679, 0.5133,
0.4444


 88.0325, 0.4719,
0.4301

 23.0995, 0.5297,
0.4466


 113.9886, 0.4609,
0.4249


 14.6670, 0.5511,
0.4489


 144.6025, 0.4511,
0.4200

 8.5860, 0.5629,
0.4371

 180.2587, 0.4423,
0.4154

 4.4721, 0.5798,
0.4202

 221.3415, 0.4345,
0.4111

 1.9410, 0.6065,
0.3935

 268.2355, 0.4276,

 0.5729, 0.6673,

0.4071

0.3327

321.3249, 0.4213,
0.4035

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.5566, 0.4981,
0.4403

■ 48.5566, 0.4981,
0.4403

■ 47.0993, 0.5038,
0.4382

■ 52.1691, 0.4830,
0.4425


■ 56.1395, 0.4646,
0.4394


■ 60.4953, 0.4438,
0.4313


■ 65.2573, 0.4216,
0.4193

 70.4440, 0.3993,
0.4045

 76.0723, 0.3776,
0.3882

 82.1574, 0.3572,
0.3712

 88.7138, 0.3385,
0.3543

 95.7552, 0.3216,
0.3379

Harmonies

Analogous

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



48.5566, 0.5284, 0.3647



48.5566, 0.4981, 0.4403



48.5566, 0.4204, 0.5115

Triad

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



48.5566, 0.4981, 0.4403



48.5566, 0.1609, 0.3326



48.5566, 0.2690, 0.1902

Complementary

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



48.5566, 0.4981, 0.4403



16.3961, 0.1676, 0.1208

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.



48.5566, 0.1884, 0.1726



48.5566, 0.4981, 0.4403



48.5566, 0.1358, 0.2333

Square

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



48.5566, 0.4981, 0.4403



48.5566, 0.2269, 0.4629



48.5566, 0.1455, 0.1841



48.5566, 0.3812, 0.2332

Rectangle

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



48.5566, 0.4981, 0.4403



48.5566, 0.3560, 0.5373



48.5566, 0.1455, 0.1841



48.5566, 0.2379, 0.1813

Sweetspot

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



48.5591, 0.4981, 0.4403



80.1051, 0.3638, 0.3768



22.4242, 0.5439, 0.2793



16.5920, 0.3725, 0.3841



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.



48.5591, 0.4981, 0.4403



47.1084, 0.5038, 0.4382



87.1306, 0.3960, 0.5222



19.9116, 0.3278, 0.3441



24.9094, 0.5020, 0.4396



2.6335, 0.4901, 0.4491

Inverse Universe

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



16.3961, 0.1676, 0.1208



15.0449, 0.1647, 0.1128



7.9830, 0.1569, 0.0653



18.4621, 0.2979, 0.3135



8.1197, 0.1655, 0.1158



0.9899, 0.1718, 0.1383

Previews

White Background



This preview shows how the Yxy color 48.5566, 0.4981, 0.4403 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 48.5566, 0.4981, 0.4403 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 48.5566, 0.4981, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 48.5566, 0.4981, 0.4403.



This preview shows how white text looks on a background with the Yxy color 48.5566, 0.4981, 0.4403.

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

48.5566, 0.4981, 0.4403

Protanopia

48.7273, 0.4376, 0.4848

Deuteranopia

48.7128, 0.4729, 0.4627



Tritanopia

48.5409, 0.3975, 0.3187

Trichromacy



Original Color

48.5566, 0.4981, 0.4403

Protanomaly

48.4494, 0.4602, 0.4685

Deuteranomaly

48.3911, 0.4824, 0.4542

Tritanomaly

47.8974, 0.4511, 0.3800

Monochromacy



Original Color

48.5566, 0.4981, 0.4403

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5802, 0.3932, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5566, 0.4981, 0.4403 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, 166, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 11)  
}
```

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, 166, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 11) }
```

Border

The CSS property to change the border of an element to Yxy 48.5566, 0.4981, 0.4403 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, 166, 11) }
```

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

```
.border{ border-color:rgb(255, 166, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5566, 0.4981, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 11) }
```

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

```
.background{ background-color: rgb(255,  
166, 11) }
```

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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