

Converting Colors

$Y_{xy}(47.0111, 0.4992, 0.4321)$

Have a look what the booklet for
Yxy(47.0111, 0.4992, 0.4321)
contains.

| | |
|--|----|
| Yxy(46.8487, 0.4996, 0.4315) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(46.8487, 0.4996, 0.4315)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFA11F |
| RGB | 255, 161, 31 |
| RGB Percent | 100%, 63%, 12% |
| CMY | 0.0000, 0.3687, 0.8784 |
| CMYK | 0.00, 0.37, 0.88, 0.00 |
| HSL | 35°, 100%, 56% |
| HSV | 35°, 88%, 100% |
| XYZ | 54.2424, 46.8487, 7.4806 |
| YIQ | 174.2860, 97.7540, -20.5020 |

Conversions

Conversions Part 2

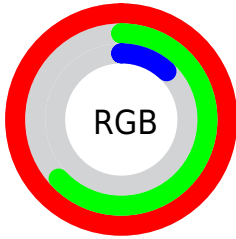
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 193, 255, 31 |
| Decimal | 16752927 |
| CIE Lab | 74.09, 26.40, 73.42 |
| CIE LCh | 74, 78.022, 70.220 |
| Yxy | 46.8487, 0.4996, 0.4315 |
| Android (android.graphics.Color) | 4294943007 (0xFFFFA11F) |
| YUV | 174.2860, -70.6400, 70.7862 |
| Hunter-Lab | 68.4461, 21.6777, 41.4324 |

Details

The Yxy color **46.8487, 0.4996, 0.4315** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **22.1853, 0.1782, 0.1523**, and the grayscale version is **42.8113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1271, 0.4260, 0.4477**, and **22.1437, 0.5213, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **43.1756, 0.5163, 0.4269**, and if you desaturate by 10%, it is **50.9378, 0.4792, 0.4308**.

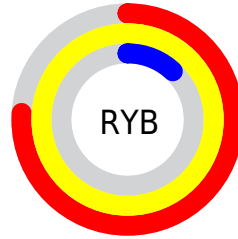
Distribution



Red (100%)

Green (63%)

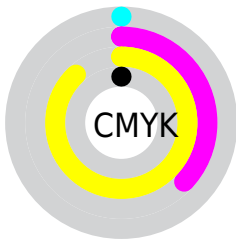
Blue (12%)



Red (76%)

Yellow (100%)

Blue (12%)

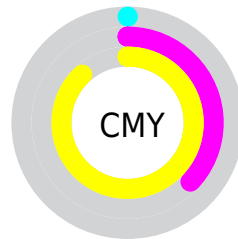


Cyan (0%)

Magenta (37%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8487, 0.4996, 0.4315 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 46.8487, 0.4996, 0.4315 by changing the saturation by 10% instead.

 46.8487, 0.4996,
0.4315


 46.8487, 0.4996,
0.4315


374.2103, 0.4144,
0.3944

 32.9161, 0.5161,
0.4353


 85.4877, 0.4719,
0.4221


 22.0622, 0.5341,
0.4371


 110.9629, 0.4605,
0.4173

 13.9026, 0.5566,
0.4377


 141.0544, 0.4504,
0.4128

 8.0529, 0.5733,
0.4267

 176.1466, 0.4415,
0.4085

 4.1288, 0.5928,
0.4072

 216.6239, 0.4336,
0.4046

 1.7459, 0.6236,
0.3764

 262.8707, 0.4265,

 0.4531, 0.7078,

0.4009

0.2922

315.2713, 0.4201,
0.3975

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8487, 0.4996,
0.4315

■ 46.8487, 0.4996,
0.4315

■ 43.1756, 0.5163,
0.4269

■ 50.9378, 0.4792,
0.4308

■ 42.4305, 0.5197,
0.4255

■ 55.4865, 0.4561,
0.4248

■ 60.5148, 0.4318,
0.4147

■ 66.0441, 0.4075,
0.4015

72.0940, 0.3842,
0.3867

78.6826, 0.3625,
0.3711

85.8268, 0.3428,
0.3554

93.5427, 0.3252,
0.3403

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.8487, 0.5219, 0.3579



46.8487, 0.4996, 0.4315



46.8487, 0.4277, 0.5017

Triad

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



46.8487, 0.4996, 0.4315



46.8487, 0.1694, 0.3451



46.8487, 0.2608, 0.1903

Complementary

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



46.8487, 0.4996, 0.4315



22.1853, 0.1782, 0.1523

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.



46.8487, 0.1856, 0.1758



46.8487, 0.4996, 0.4315



46.8487, 0.1405, 0.2436

Square

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



46.8487, 0.4996, 0.4315



46.8487, 0.2380, 0.4696



46.8487, 0.1467, 0.1906



46.8487, 0.3680, 0.2303

Rectangle

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



46.8487, 0.4996, 0.4315



46.8487, 0.3657, 0.5297



46.8487, 0.1467, 0.1906



46.8487, 0.2316, 0.1825

Sweetspot

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



46.8442, 0.4996, 0.4315



79.9536, 0.3588, 0.3682



23.8011, 0.4956, 0.2585



16.6040, 0.3659, 0.3736



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.



46.8442, 0.4996, 0.4315



42.4305, 0.5197, 0.4255



90.1561, 0.4065, 0.5093



19.7381, 0.3280, 0.3428



22.4728, 0.5176, 0.4272



2.4043, 0.5033, 0.4385

Inverse Universe

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



22.1853, 0.1782, 0.1523



17.7416, 0.1691, 0.1287



8.7802, 0.1590, 0.0710



18.6307, 0.2979, 0.3148



9.5499, 0.1699, 0.1317



1.1401, 0.1761, 0.1539

Previews

White Background



This preview shows how the Yxy color 46.8487, 0.4996, 0.4315 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 46.8487, 0.4996, 0.4315 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 46.8487, 0.4996, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 46.8487, 0.4996, 0.4315.



This preview shows how white text looks on a background with the Yxy color 46.8487, 0.4996, 0.4315.

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

46.8487, 0.4996, 0.4315

Protanopia

46.9797, 0.4331, 0.4794

Deuteranopia

46.9302, 0.4700, 0.4592



Tritanopia

46.6868, 0.4045, 0.3188

Trichromacy



Original Color

46.8487, 0.4996, 0.4315

Protanomaly

46.4693, 0.4576, 0.4616

Deuteranomaly

46.9714, 0.4808, 0.4490

Tritanomaly

46.2747, 0.4509, 0.3711

Monochromacy



Original Color

46.8487, 0.4996, 0.4315

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.4776, 0.3877, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8487, 0.4996, 0.4315 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, 161, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 31)  
}
```

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, 161, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 31) }
```

Border

The CSS property to change the border of an element to Yxy 46.8487, 0.4996, 0.4315 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, 161, 31) }
```

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

```
.border{ border-color:rgb(255, 161, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8487, 0.4996, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 31) }
```

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

```
.background{ background-color: rgb(255,  
161, 31) }
```

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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