

Converting Colors

Yxy(41.6319, 0.4980, 0.4109)

Have a look what the booklet for
Yxy(41.6319, 0.4980, 0.4109)
contains.

Yxy(41.6150, 0.4977, 0.4110)	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(41.6150, 0.4977, 0.4110)

Conversions

Conversions Part 1

Format	Color
Hex	F99439
RGB	249, 148, 57
RGB Percent	98%, 58%, 22%
CMY	0.0236, 0.4196, 0.7765
CMYK	0.00, 0.41, 0.77, 0.02
HSL	28°, 94%, 60%
HSV	28°, 77%, 98%
XYZ	50.3936, 41.6150, 9.2444
YIQ	167.8250, 89.4070, -6.8890

Conversions

Conversions Part 2

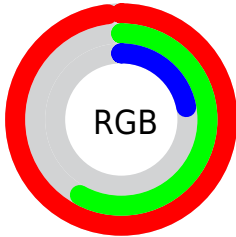
Format	Color
R _Y B	249, 230, 57
Decimal	16356409
CIE Lab	70.60, 31.39, 61.42
CIE LCh	71, 68.971, 62.930
Yxy	41.6150, 0.4977, 0.4110
Android (android.graphics.Color)	4294546489 (0xFFFF99439)
YUV	167.8250, -54.6367, 71.1905
Hunter-Lab	64.5097, 26.5486, 36.6604

Details

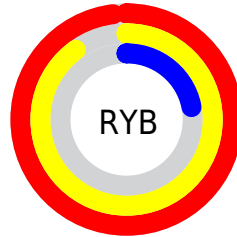
The Yxy color **41.6150, 0.4977, 0.4110** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **32.1498, 0.1971, 0.2043**, and the grayscale version is **39.3085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0977, 0.4237, 0.4217**, and **18.9305, 0.5369, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **37.5479, 0.5237, 0.4098**, and if you desaturate by 10%, it is **46.2729, 0.4692, 0.4070**.

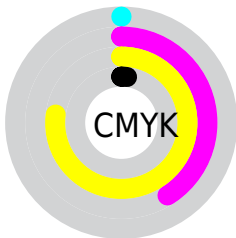
Distribution



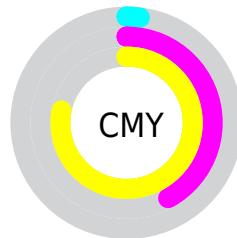
- Red (98%)
- Green (58%)
- Blue (22%)



- Red (98%)
- Yellow (90%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (77%)
- Black (2%)





- Cyan (2%)
- Magenta (42%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6150, 0.4977, 0.4110 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 41.6150, 0.4977, 0.4110 by changing the saturation by 10% instead.


 41.6150, 0.4977,
0.4110

 41.6150, 0.4977,
0.4110


352.8845, 0.4085,
0.3807


 28.7999, 0.5168,
0.4141


 77.6166, 0.4672,
0.4032


 18.9295, 0.5390,
0.4154


 101.5720, 0.4551,
0.3993


 11.6194, 0.5651,
0.4135


 130.0095, 0.4446,
0.3955

 6.4851, 0.5950,
0.4050

 163.3137, 0.4355,
0.3921

 3.1422, 0.6209,
0.3791

 201.8689, 0.4275,
0.3889

 1.2064, 0.6626,
0.3374

 246.0595, 0.4204,

 0.0669, 0.9254,

0.3859

0.0746

296.2699, 0.4141,
0.3832

■ 0.0000, 0.0000,
0.0000

■ 41.6150, 0.4977,
0.4110

■ 41.6150, 0.4977,
0.4110

■ 37.5479, 0.5237,
0.4098

■ 46.2729, 0.4692,
0.4070

■ 34.0296, 0.5454,
0.4031


■ 51.5455, 0.4402,
0.3989

■ 33.1060, 0.5511,
0.4006


■ 57.4623, 0.4122,
0.3880

■ 64.0486, 0.3863,
0.3756

■ 71.3280, 0.3629,
0.3627

 79.3226, 0.3422,
0.3498

 88.0535, 0.3241,
0.3374

 97.4649, 0.3091,
0.3268

 98.8787, 0.3090,
0.3290

Harmonies

Analogous

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



41.6150, 0.5013, 0.3422



41.6150, 0.4977, 0.4110



41.6150, 0.4412, 0.4776

Triad

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



41.6150, 0.4977, 0.4110



41.6150, 0.1921, 0.3727



41.6150, 0.2447, 0.1932

Complementary

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



41.6150, 0.4977, 0.4110



32.1498, 0.1971, 0.2043

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.



41.6150, 0.1819, 0.1860



41.6150, 0.4977, 0.4110



41.6150, 0.1547, 0.2699

Square

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



41.6150, 0.4977, 0.4110



41.6150, 0.2651, 0.4783



41.6150, 0.1524, 0.2087



41.6150, 0.3388, 0.2257

Rectangle

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



41.6150, 0.4977, 0.4110



41.6150, 0.3863, 0.5086



41.6150, 0.1524, 0.2087



41.6150, 0.2199, 0.1878

Sweetspot

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



41.6172, 0.4977, 0.4110



78.6561, 0.3541, 0.3574



25.5797, 0.4341, 0.2372



16.1984, 0.3619, 0.3621



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.



41.6172, 0.4977, 0.4110



37.3428, 0.5373, 0.4064



84.2923, 0.4161, 0.4890



18.5825, 0.3282, 0.3403



18.0020, 0.5485, 0.4027



1.8779, 0.5291, 0.4181

Inverse Universe

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



32.1498, 0.1971, 0.2043



26.8635, 0.1831, 0.1753



11.3058, 0.1679, 0.0922



18.1540, 0.2980, 0.3175



12.6304, 0.1795, 0.1663



1.3822, 0.1853, 0.1871

Previews

White Background



This preview shows how the Yxy color 41.6150, 0.4977, 0.4110 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 41.6150, 0.4977, 0.4110 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 41.6150, 0.4977, 0.4110

Background



This preview shows how black text looks on a background with the Yxy color 41.6150, 0.4977, 0.4110.



This preview shows how white text looks on a background with the Yxy color 41.6150, 0.4977, 0.4110.

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

41.6150, 0.4977, 0.4110

Protanopia

41.5948, 0.4191, 0.4604

Deuteranopia

41.5416, 0.4572, 0.4470



Tritanopia

41.7060, 0.4246, 0.3189

Trichromacy



Original Color

41.6150, 0.4977, 0.4110

Protanomaly

41.0340, 0.4481, 0.4425

Deuteranomaly

41.3688, 0.4730, 0.4331

Tritanomaly

41.3024, 0.4567, 0.3561

Monochromacy



Original Color

41.6150, 0.4977, 0.4110

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.9186, 0.3798, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6150, 0.4977, 0.4110 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(249, 148, 57)` looks like.

```
.text, #text, p{  
    color:rgb(249, 148, 57)  
}
```

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(249, 148, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 148, 57) }
```

Border

The CSS property to change the border of an element to Yxy 41.6150, 0.4977, 0.4110 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(249, 148, 57) }
```

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

```
.border{ border-color:rgb(249, 148, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 148, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 148, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 148, 57);  
box-shadow:4px 4px 4px 4px rgb(249, 148,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6150, 0.4977, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 148, 57) }
```

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

```
.background{ background-color: rgb(249,  
148, 57) }
```

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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