

Converting Colors

$Y_{xy}(41.6536, 0.5155, 0.4155)$

Have a look what the booklet for
Yxy(41.6536, 0.5155, 0.4155)
contains.

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Color

Yxy(41.6321, 0.5156, 0.4155)

Conversions

Conversions Part 1

Format	Color
Hex	FF9123
RGB	255, 145, 35
RGB Percent	100%, 57%, 14%
CMY	0.0001, 0.4313, 0.8627
CMYK	0.00, 0.43, 0.86, 0.00
HSL	30°, 100%, 57%
HSV	30°, 86%, 100%
XYZ	51.6619, 41.6321, 6.9036
YIQ	165.3500, 100.8700, -10.8900

Conversions

Conversions Part 2

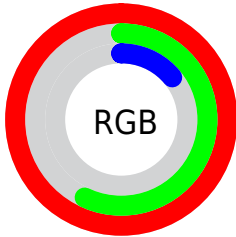
Format	Color
R _Y B	255, 255, 35
Decimal	16748835
CIE _{Lab}	70.62, 34.70, 69.59
CIE _{LCh}	71, 77.761, 63.495
Yxy	41.6321, 0.5156, 0.4155
Android (android.graphics.Color)	4294938915 (0xFFFF9123)
YUV	165.3500, -64.2625, 78.6231
Hunter-Lab	64.5229, 30.0053, 38.8223

Details

The Yxy color **41.6321, 0.5156, 0.4155** 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 **27.8152, 0.1861, 0.1793**, and the grayscale version is **38.0854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3413, 0.4367, 0.4334**, and **19.0352, 0.5457, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **37.8539, 0.5365, 0.4097**, and if you desaturate by 10%, it is **45.9614, 0.4906, 0.4157**.

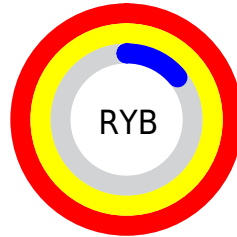
Distribution



Red (100%)

Green (57%)

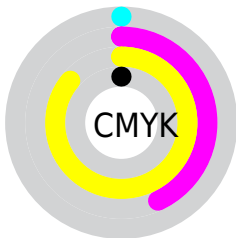
Blue (14%)



Red (100%)

Yellow (100%)

Blue (14%)

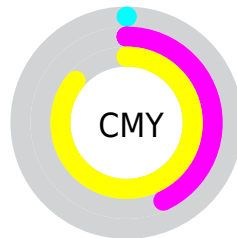


Cyan (0%)

Magenta (43%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6321, 0.5156, 0.4155 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 41.6321, 0.5156, 0.4155 by changing the saturation by 10% instead.


 41.6321, 0.5156,
0.4155


 41.6321, 0.5156,
0.4155

352.9556, 0.4201,
0.3866


 28.8133, 0.5349,
0.4170


 77.6425, 0.4839,
0.4092

 18.9397, 0.5565,
0.4158


 101.6030, 0.4710,
0.4056

 11.6267, 0.5855,
0.4134

 130.0461, 0.4597,
0.4020

 6.4900, 0.6052,
0.3948

 163.3562, 0.4497,
0.3985

 3.1453, 0.6331,
0.3669

 201.9179, 0.4410,
0.3952

 1.2080, 0.6774,
0.3226

 246.1154, 0.4332,

 0.0683, 0.9305,

0.3921

0.0695

296.3332, 0.4263,
0.3893

■ 0.0000, 0.0000,
0.0000

■ 41.6321, 0.5156,
0.4155

■ 41.6321, 0.5156,
0.4155

■ 37.8539, 0.5365,
0.4097

■ 45.9614, 0.4906,
0.4157

■ 36.5689, 0.5436,
0.4066

■ 50.8694, 0.4633,
0.4107

■ 56.3876, 0.4354,
0.4018

■ 62.5428, 0.4085,
0.3901

■ 69.3593, 0.3834,
0.3770

76.8600, 0.3607,
0.3633

85.0662, 0.3404,
0.3498

93.9985, 0.3227,
0.3368

99.9950, 0.3127,
0.3290

Harmonies

Analogous

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



41.6321, 0.5243, 0.3412



41.6321, 0.5156, 0.4155



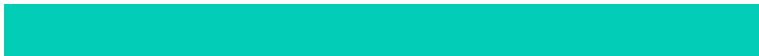
41.6321, 0.4494, 0.4913

Triad

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



41.6321, 0.5156, 0.4155



41.6321, 0.1770, 0.3748



41.6321, 0.2382, 0.1808

Complementary

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



41.6321, 0.5156, 0.4155



27.8152, 0.1861, 0.1793

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.



41.6321, 0.1699, 0.1721



41.6321, 0.5156, 0.4155



41.6321, 0.1389, 0.2591

Square

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



41.6321, 0.5156, 0.4155



41.6321, 0.2554, 0.4989



41.6321, 0.1380, 0.1946



41.6321, 0.3432, 0.2162

Rectangle

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



41.6321, 0.5156, 0.4155



41.6321, 0.3881, 0.5296



41.6321, 0.1380, 0.1946



41.6321, 0.2111, 0.1748

Sweetspot

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



41.6343, 0.5156, 0.4155



77.0889, 0.3601, 0.3630



24.5019, 0.4672, 0.2438



15.9257, 0.3676, 0.3677



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.



41.6343, 0.5156, 0.4155



36.5774, 0.5436, 0.4066



92.8796, 0.4164, 0.5004



19.4881, 0.3282, 0.3409



19.4111, 0.5410, 0.4086



2.1084, 0.5234, 0.4226

Inverse Universe

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



27.8152, 0.1861, 0.1793



22.5191, 0.1762, 0.1544



8.7786, 0.1568, 0.0712



18.8780, 0.2979, 0.3168



12.0653, 0.1770, 0.1573



1.3932, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 41.6321, 0.5156, 0.4155 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 41.6321, 0.5156, 0.4155 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 41.6321, 0.5156, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 41.6321, 0.5156, 0.4155.



This preview shows how white text looks on a background with the Yxy color 41.6321, 0.5156, 0.4155.

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

41.6321, 0.5156, 0.4155

Protanopia

42.0414, 0.4305, 0.4756

Deuteranopia

41.6689, 0.4692, 0.4586



Tritanopia

41.5435, 0.4282, 0.3200

Trichromacy



Original Color

41.6321, 0.5156, 0.4155

Protanomaly

41.0926, 0.4634, 0.4525

Deuteranomaly

41.3489, 0.4870, 0.4422

Tritanomaly

41.3504, 0.4701, 0.3643

Monochromacy



Original Color

41.6321, 0.5156, 0.4155

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.7675, 0.3920, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6321, 0.5156, 0.4155 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, 145, 35)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 35)  
}
```

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, 145, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 35) }
```

Border

The CSS property to change the border of an element to Yxy 41.6321, 0.5156, 0.4155 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, 145, 35) }
```

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

```
.border{ border-color:rgb(255, 145, 35) }
```

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

Here you see how a box with a 4 pixel rgb(255, 145, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 35);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6321, 0.5156, 0.4155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 35) }
```

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

```
.background{ background-color: rgb(255,  
145, 35) }
```

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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