

Converting Colors

$Y_{xy}(41.9999, 0.5135, 0.4157)$

Have a look what the booklet for
Yxy(41.9999, 0.5135, 0.4157)
contains.

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Color

Yxy(41.9513, 0.5138, 0.4157)

Conversions

Conversions Part 1

Format	Color
Hex	FF9225
RGB	255, 146, 37
RGB Percent	100%, 57%, 15%
CMY	0.0000, 0.4274, 0.8549
CMYK	0.00, 0.43, 0.85, 0.00
HSL	30°, 100%, 57%
HSV	30°, 85%, 100%
XYZ	51.8513, 41.9513, 7.1147
YIQ	166.1650, 99.9530, -10.7910

Conversions

Conversions Part 2

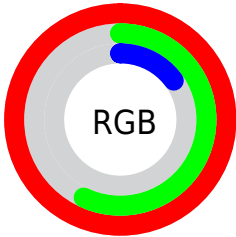
Format	Color
RYB	255, 255, 37
Decimal	16749093
CIELab	70.84, 34.25, 69.16
CIELCh	71, 77.180, 63.656
Yxy	41.9513, 0.5138, 0.4157
Android (android.graphics.Color)	4294939173 (0xFFFF9225)
YUV	166.1650, -63.6783, 77.9083
Hunter-Lab	64.7698, 29.5504, 38.8261

Details

The Yxy color **41.9513, 0.5138, 0.4157** 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 **28.1662, 0.1868, 0.1808**, and the grayscale version is **38.4970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8414, 0.4348, 0.4328**, and **19.2119, 0.5442, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **38.1312, 0.5351, 0.4103**, and if you desaturate by 10%, it is **46.3256, 0.4886, 0.4155**.

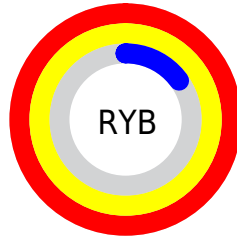
Distribution



Red (100%)

Green (57%)

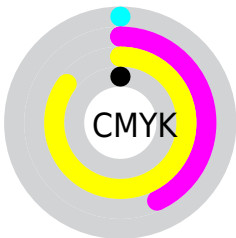
Blue (15%)



Red (100%)

Yellow (100%)

Blue (15%)

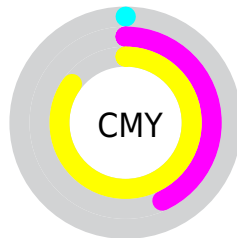


Cyan (0%)

Magenta (43%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (43%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9513, 0.5138, 0.4157 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 41.9513, 0.5138, 0.4157 by changing the saturation by 10% instead.

 41.9513, 0.5138,
0.4157


 41.9513, 0.5138,
0.4157


354.2810, 0.4191,
0.3865


 29.0632, 0.5330,
0.4174


 78.1259, 0.4823,
0.4092


 19.1286, 0.5545,
0.4165

 102.1812, 0.4695,
0.4055


 11.7632, 0.5828,
0.4141


 130.7276, 0.4583,
0.4018

 6.5827, 0.6033,
0.3967

 164.1496, 0.4485,
0.3983

 3.2025, 0.6307,
0.3693

 202.8315, 0.4398,
0.3951

 1.2384, 0.6742,
0.3258

 247.1578, 0.4321,

 0.0927, 0.9091,

0.3920

0.0909

297.5129, 0.4252,
0.3891

■ 0.0000, 0.0000,
0.0000

■ 41.9513, 0.5138,
0.4157

■ 41.9513, 0.5138,
0.4157

■ 38.1312, 0.5351,
0.4103

■ 46.3256, 0.4886,
0.4155

■ 36.5701, 0.5436,
0.4066

■ 51.2813, 0.4611,
0.4101

■ 56.8496, 0.4333,
0.4009

■ 63.0571, 0.4065,
0.3891

■ 69.9280, 0.3815,
0.3759

 77.4851, 0.3590,
0.3623

 85.7497, 0.3390,
0.3487

 94.7422, 0.3214,
0.3358

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



41.9513, 0.5225, 0.3418



41.9513, 0.5138, 0.4157



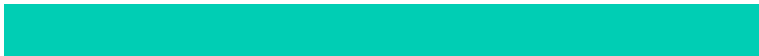
41.9513, 0.4482, 0.4906

Triad

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



41.9513, 0.5138, 0.4157



41.9513, 0.1779, 0.3737



41.9513, 0.2394, 0.1821

Complementary

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



41.9513, 0.5138, 0.4157



28.1662, 0.1868, 0.1808

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.



41.9513, 0.1713, 0.1733



41.9513, 0.5138, 0.4157



41.9513, 0.1402, 0.2595

Square

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



41.9513, 0.5138, 0.4157



41.9513, 0.2556, 0.4964



41.9513, 0.1393, 0.1955



41.9513, 0.3436, 0.2174

Rectangle

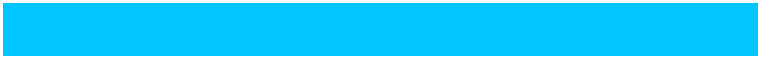
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.9513, 0.5138, 0.4157



41.9513, 0.3874, 0.5281



41.9513, 0.1393, 0.1955



41.9513, 0.2124, 0.1760

Sweetspot

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



41.9535, 0.5138, 0.4157



77.0861, 0.3601, 0.3630



24.6574, 0.4652, 0.2436



15.9250, 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.



41.9535, 0.5138, 0.4157



36.5721, 0.5436, 0.4066



92.9083, 0.4161, 0.4999



19.4879, 0.3282, 0.3409



19.4083, 0.5410, 0.4086



2.1081, 0.5235, 0.4226

Inverse Universe

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



28.1662, 0.1868, 0.1808



22.5243, 0.1763, 0.1545



8.9363, 0.1574, 0.0722



18.8783, 0.2979, 0.3168



12.0680, 0.1771, 0.1574



1.3934, 0.1828, 0.1779

Previews

White Background



This preview shows how the Yxy color 41.9513, 0.5138, 0.4157 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 41.9513, 0.5138, 0.4157 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 41.9513, 0.5138, 0.4157

Background



This preview shows how black text looks on a background with the Yxy color 41.9513, 0.5138, 0.4157.



This preview shows how white text looks on a background with the Yxy color 41.9513, 0.5138, 0.4157.

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

41.9513, 0.5138, 0.4157

Protanopia

42.0561, 0.4298, 0.4744

Deuteranopia

42.0405, 0.4674, 0.4587



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.9513, 0.5138, 0.4157

Protanomaly

41.4627, 0.4616, 0.4525

Deuteranomaly

41.6982, 0.4853, 0.4425

Tritanomaly

41.6887, 0.4674, 0.3634

Monochromacy



Original Color

41.9513, 0.5138, 0.4157

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1340, 0.3905, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9513, 0.5138, 0.4157 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, 146, 37)` looks like.

```
.text, #text, p{  
    color:rgb(255, 146, 37)  
}
```

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, 146, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 146, 37) }
```

Border

The CSS property to change the border of an element to Yxy 41.9513, 0.5138, 0.4157 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, 146, 37) }
```

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

```
.border{ border-color:rgb(255, 146, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 146, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 146, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 146, 37);  
box-shadow:4px 4px 4px 4px rgb(255, 146,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9513, 0.5138, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 146, 37) }
```

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

```
.background{ background-color: rgb(255,  
146, 37) }
```

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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