

Converting Colors

$Yxy(41.7466, 0.5086, 0.4086)$

Have a look what the booklet for
Yxy(41.7466, 0.5086, 0.4086)
contains.

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Color

Yxy(41.7498, 0.5086, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	FF9133
RGB	255, 145, 51
RGB Percent	100%, 57%, 20%
CMY	0.0001, 0.4313, 0.8001
CMYK	0.00, 0.43, 0.80, 0.00
HSL	28°, 100%, 60%
HSV	28°, 80%, 100%
XYZ	51.9549, 41.7498, 8.4480
YIQ	167.1740, 95.7340, -5.9140

Conversions

Conversions Part 2

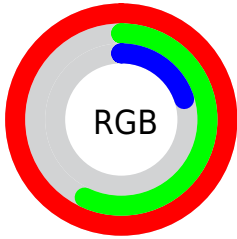
Format	Color
R_{YB}	255, 225, 51
Decimal	16748851
CIE _{Lab}	70.70, 35.12, 64.18
CIE _{LCh}	71, 73.159, 61.310
Yxy	41.7498, 0.5086, 0.4087
Android (android.graphics.Color)	4294938931 (0xFFFF9133)
YUV	167.1740, -57.2738, 77.0234
Hunter-Lab	64.6141, 30.4535, 37.4779

Details

The Yxy color **41.7498, 0.5086, 0.4087** 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 **33.3807, 0.1950, 0.2025**, and the grayscale version is **38.9835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5885, 0.4288, 0.4231**, and **19.0352, 0.5457, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **37.6359, 0.5341, 0.4056**, and if you desaturate by 10%, it is **46.4992, 0.4799, 0.4064**.

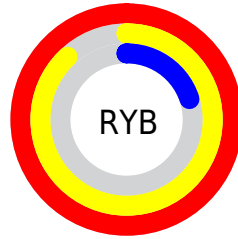
Distribution



Red (100%)

Green (57%)

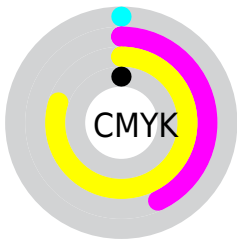
Blue (20%)



Red (100%)

Yellow (88%)

Blue (20%)

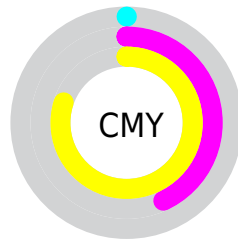


Cyan (0%)

Magenta (43%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (43%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7498, 0.5086, 0.4087 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 41.7498, 0.5086, 0.4087 by changing the saturation by 10% instead.

 41.7498, 0.5086,
0.4087


 41.7498, 0.5086,
0.4087

353.4447, 0.4147,
0.3812

 28.9054, 0.5284,
0.4106


 77.8208, 0.4768,
0.4023

 19.0093, 0.5511,
0.4103


 101.8163, 0.4641,
0.3988

 11.6770, 0.5785,
0.4069


 130.2975, 0.4530,
0.3954

 6.5241, 0.6063,
0.3937

 163.6490, 0.4434,
0.3921

 3.1663, 0.6343,
0.3657

 202.2550, 0.4349,
0.3891

 1.2192, 0.6788,
0.3212

 246.5001, 0.4274,

 0.0773, 0.9236,

0.3862

0.0764

296.7685, 0.4207,
0.3836

■ 0.0000, 0.0000,
0.0000

■ 41.7498, 0.5086,
0.4087

■ 41.7498, 0.5086,
0.4087

■ 37.6359, 0.5341,
0.4056

■ 46.4992, 0.4799,
0.4064

■ 34.1075, 0.5552,
0.3974

■ 51.9122, 0.4502,
0.3997

■ 58.0222, 0.4212,
0.3898

■ 64.8577, 0.3942,
0.3781

■ 72.4453, 0.3698,
0.3655

80.8100, 0.3481,
0.3528

89.9753, 0.3292,
0.3406

99.9639, 0.3127,
0.3290

99.9947, 0.3127,
0.3290

Harmonies

Analogous

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



41.7498, 0.5102, 0.3375



41.7498, 0.5086, 0.4087



41.7498, 0.4502, 0.4801

Triad

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



41.7498, 0.5086, 0.4087



41.7498, 0.1887, 0.3816



41.7498, 0.2364, 0.1860

Complementary

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



41.7498, 0.5086, 0.4087



33.3807, 0.1950, 0.2025

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.



41.7498, 0.1733, 0.1799



41.7498, 0.5086, 0.4087



41.7498, 0.1484, 0.2704

Square

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



41.7498, 0.5086, 0.4087



41.7498, 0.2664, 0.4932



41.7498, 0.1447, 0.2046



41.7498, 0.3339, 0.2183

Rectangle

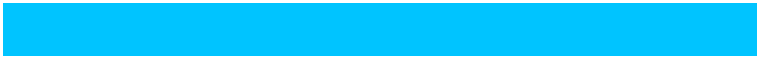
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7498, 0.5086, 0.4087



41.7498, 0.3932, 0.5163



41.7498, 0.1447, 0.2046



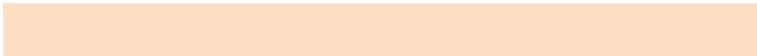
41.7498, 0.2113, 0.1809

Sweetspot

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



41.7520, 0.5086, 0.4087



77.3976, 0.3564, 0.3579



26.2699, 0.4358, 0.2335



15.9329, 0.3642, 0.3624



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.



41.7520, 0.5086, 0.4087



35.4650, 0.5471, 0.4010



86.6601, 0.4204, 0.4896



19.3672, 0.3283, 0.3400



18.1175, 0.5525, 0.3995



1.9797, 0.5335, 0.4146

Inverse Universe

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



33.3807, 0.1950, 0.2025



26.6713, 0.1824, 0.1745



11.2766, 0.1647, 0.0881



18.9996, 0.2979, 0.3178



13.4875, 0.1807, 0.1706



1.5319, 0.1861, 0.1900

Previews

White Background



This preview shows how the Yxy color 41.7498, 0.5086, 0.4087 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 41.7498, 0.5086, 0.4087 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 41.7498, 0.5086, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 41.7498, 0.5086, 0.4087.



This preview shows how white text looks on a background with the Yxy color 41.7498, 0.5086, 0.4087.

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

41.7498, 0.5086, 0.4087

Protanopia

42.0469, 0.4224, 0.4656

Deuteranopia

41.9901, 0.4606, 0.4519



Tritanopia

41.8634, 0.4266, 0.3200

Trichromacy



Original Color

41.7498, 0.5086, 0.4087

Protanomaly

41.0692, 0.4552, 0.4440

Deuteranomaly

41.6399, 0.4781, 0.4359

Tritanomaly

41.5020, 0.4631, 0.3576

Monochromacy



Original Color

41.7498, 0.5086, 0.4087

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.4191, 0.3857, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7498, 0.5086, 0.4087 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 51) }
```

Border

The CSS property to change the border of an element to Yxy 41.7498, 0.5086, 0.4087 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, 51) }
```

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

```
.border{ border-color:rgb(255, 145, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7498, 0.5086, 0.4087 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
145, 51) }
```

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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