

Converting Colors

$Y_{xy}(54.0195, 0.4565, 0.3763)$

Have a look what the booklet for
Yxy(54.0195, 0.4565, 0.3763)
contains.

Yxy(50.2054, 0.4409, 0.3795)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.2054, 0.4409, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	FFA776
RGB	255, 167, 118
RGB Percent	100%, 65%, 46%
CMY	0.0000, 0.3451, 0.5372
CMYK	0.00, 0.35, 0.54, 0.00
HSL	21°, 100%, 73%
HSV	21°, 54%, 100%
XYZ	58.3282, 50.2054, 23.7599
YIQ	187.7260, 68.1770, 3.4170

Conversions

Conversions Part 2

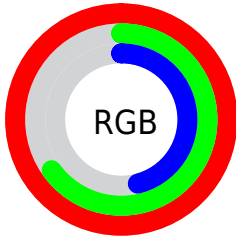
Format	Color
R_{YB}	255, 194, 118
Decimal	16754550
CIE _{Lab}	76.20, 27.50, 38.55
CIE _{LCh}	76, 47.354, 54.493
Yxy	50.2054, 0.4409, 0.3795
Android (android.graphics.Color)	4294944630 (0xFFFFA776)
YUV	187.7260, -34.3749, 58.9993
Hunter-Lab	70.8558, 22.9430, 29.7174

Details

The Yxy color **50.2054, 0.4409, 0.3795** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **55.2158, 0.2315, 0.2686**, and the grayscale version is **50.2976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9756, 0.3723, 0.3822**, and **24.0541, 0.4755, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **44.0549, 0.4748, 0.3860**, and if you desaturate by 10%, it is **57.2849, 0.4095, 0.3709**.

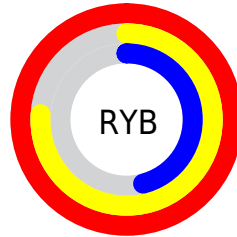
Distribution



Red (100%)

Green (65%)

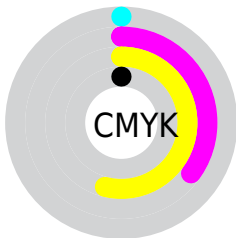
Blue (46%)



Red (100%)

Yellow (76%)

Blue (46%)

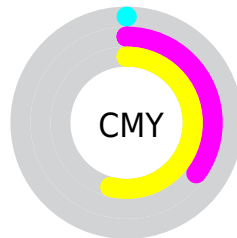


Cyan (0%)

Magenta (35%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2054, 0.4409, 0.3795 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 50.2054, 0.4409, 0.3795 by changing the saturation by 10% instead.


 50.2054, 0.4409,
0.3795


 50.2054, 0.4409,
0.3795


387.4686, 0.3779,
0.3585

 35.5766, 0.4558,
0.3832


 90.4791, 0.4185,
0.3730

 24.1074, 0.4743,
0.3871


 116.8929, 0.4099,
0.3702

 15.4133, 0.4976,
0.3906


 148.0037, 0.4026,
0.3677

 9.1100, 0.5275,
0.3926

184.1961, 0.3963,
0.3655

 4.8130, 0.5695,
0.3927

225.8544, 0.3908,
0.3635

 2.1380, 0.6205,
0.3795

273.3630, 0.3860,

 0.6858, 0.6745,

0.3617

327.1063, 0.3817,
0.3600

0.3255

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.2054, 0.4409,
0.3795

50.2054, 0.4409,
0.3795

44.0549, 0.4748,
0.3860

57.2849, 0.4095,
0.3709

38.7839, 0.5096,
0.3889

65.3247, 0.3816,
0.3612

34.3493, 0.5424,
0.3873

74.3637, 0.3572,
0.3513

30.6997, 0.5703,
0.3803

84.4363, 0.3364,
0.3415

■ 28.7762, 0.5847,
0.3739

■ 95.5752, 0.3186,
0.3323

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



50.2054, 0.4275, 0.3303



50.2054, 0.4409, 0.3795



50.2054, 0.4163, 0.4233

Triad

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



50.2054, 0.4409, 0.3795



50.2054, 0.2457, 0.3775



50.2054, 0.2534, 0.2307

Complementary

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



50.2054, 0.4409, 0.3795



55.2158, 0.2315, 0.2686

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.



50.2054, 0.2140, 0.2330



50.2054, 0.4409, 0.3795



50.2054, 0.2093, 0.3108

Square

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



50.2054, 0.4409, 0.3795



50.2054, 0.3022, 0.4318



50.2054, 0.1988, 0.2594



50.2054, 0.3127, 0.2492

Rectangle

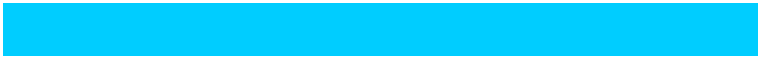
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.2054, 0.4409, 0.3795



50.2054, 0.3840, 0.4424



50.2054, 0.1988, 0.2594



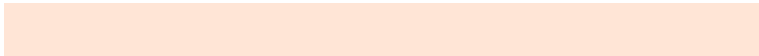
50.2054, 0.2377, 0.2290

Sweetspot

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



50.2079, 0.4409, 0.3795



82.0493, 0.3408, 0.3437



38.7270, 0.3661, 0.2403



17.1103, 0.3450, 0.3457



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.



50.2079, 0.4409, 0.3795



43.8966, 0.4758, 0.3861



81.6688, 0.4009, 0.4421



19.0502, 0.3285, 0.3376



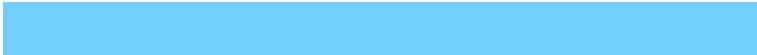
15.2921, 0.5817, 0.3763



1.6866, 0.5601, 0.3935

Inverse Universe

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



55.2158, 0.2315, 0.2686



49.2491, 0.2188, 0.2546



29.4108, 0.2134, 0.1809



19.3243, 0.2980, 0.3203



17.9004, 0.1909, 0.2071



1.9497, 0.1952, 0.2226

Previews

White Background



This preview shows how the Yxy color 50.2054, 0.4409, 0.3795 looks on a white background.

Color Contrast Check

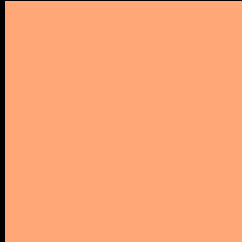
Large Text (above 18pt) WCAG AA × Fail

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 50.2054, 0.4409, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

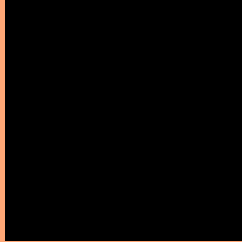
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2054, 0.4409, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 50.2054, 0.4409, 0.3795.



This preview shows how white text looks on a background with the Yxy color 50.2054, 0.4409, 0.3795.

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

50.2054, 0.4409, 0.3795

Protanopia

50.3102, 0.3764, 0.4059

Deuteranopia

50.3743, 0.4112, 0.4029



Tritanopia

50.1178, 0.3911, 0.3176

Trichromacy



Original Color

50.2054, 0.4409, 0.3795

Protanomaly

49.7606, 0.4001, 0.3956

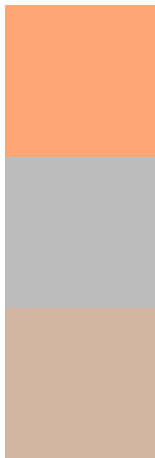
Deuteranomaly

50.0980, 0.4225, 0.3939

Tritanomaly

50.1108, 0.4099, 0.3409

Monochromacy



Original Color

50.2054, 0.4409, 0.3795

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.2839, 0.3555, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2054, 0.4409, 0.3795 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, 167, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 118)  
}
```

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, 167, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 118) }
```

Border

The CSS property to change the border of an element to Yxy 50.2054, 0.4409, 0.3795 is called "border". The border property can be set on classes, ids or directly on the HTML element.

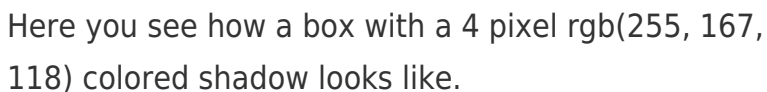
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 167, 118) }
```

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

```
.border{ border-color:rgb(255, 167, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 167, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 167, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 167, 118); box-shadow:4px 4px 4px 4px rgb(255, 167, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2054, 0.4409, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 118) }
```

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

```
.background{ background-color: rgb(255,  
167, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor