

Converting Colors

$Y_{xy}(48.2618, 0.4361, 0.3639)$

Have a look what the booklet for
Yxy(48.2618, 0.4361, 0.3639)
contains.

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Color

Yxy(48.3083, 0.4356, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	FFA180
RGB	255, 161, 128
RGB Percent	100%, 63%, 50%
CMY	0.0000, 0.3687, 0.4980
CMYK	0.00, 0.37, 0.50, 0.00
HSL	16°, 100%, 75%
HSV	16°, 50%, 100%
XYZ	57.8902, 48.3083, 26.6991
YIQ	185.3440, 66.6170, 9.6650

Conversions

Conversions Part 2

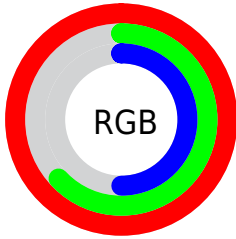
Format	Color
R_{YB}	255, 173, 128
Decimal	16753024
CIE _{Lab}	75.02, 31.51, 31.75
CIE _{LCh}	75, 44.728, 45.217
Yxy	48.3083, 0.4356, 0.3635
Android (android.graphics.Color)	4294943104 (0xFFFFA180)
YUV	185.3440, -28.2706, 61.0883
Hunter-Lab	69.5042, 27.0409, 25.8774

Details

The Yxy color **48.3083, 0.4356, 0.3635** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **64.0649, 0.2398, 0.2895**, and the grayscale version is **48.8463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7079, 0.3672, 0.3651**, and **22.8773, 0.4701, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **41.6087, 0.4726, 0.3686**, and if you desaturate by 10%, it is **56.1659, 0.4024, 0.3569**.

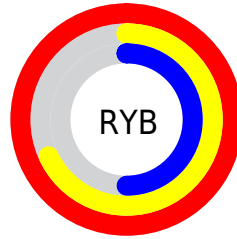
Distribution



Red (100%)

Green (63%)

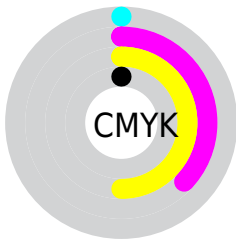
Blue (50%)



Red (100%)

Yellow (68%)

Blue (50%)

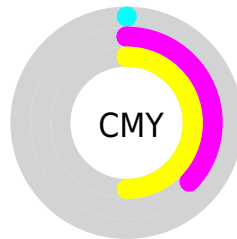


Cyan (0%)

Magenta (37%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3083, 0.4356, 0.3635 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 48.3083, 0.4356, 0.3635 by changing the saturation by 10% instead.


 48.3083, 0.4356,
0.3635


 48.3083, 0.4356,
0.3635


380.0129, 0.3743,
0.3497


 34.0711, 0.4505,
0.3658


 87.6633, 0.4136,
0.3594

 22.9482, 0.4692,
0.3680


 113.5498, 0.4052,
0.3575

 14.5553, 0.4933,
0.3697


 144.0882, 0.3981,
0.3559

 8.5079, 0.5252,
0.3697

179.6630, 0.3920,
0.3544

 4.4216, 0.5685,
0.3657

220.6584, 0.3867,
0.3531

 1.9121, 0.6420,
0.3580

267.4590, 0.3820,

 0.5556, 0.7136,

0.3518

0.2864

320.4490, 0.3779,
0.3507

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.3083, 0.4356,
0.3635

48.3083, 0.4356,
0.3635

41.6087, 0.4726,
0.3686

56.1659, 0.4024,
0.3569

36.0199, 0.5119,
0.3711

65.2450, 0.3738,
0.3497

31.4759, 0.5503,
0.3698

75.5920, 0.3496,
0.3424

27.9071, 0.5835,
0.3642

87.2539, 0.3293,
0.3354

■ 25.2280, 0.6083,
0.3550

100.0000, 0.3127,
0.3290

■ 25.1822, 0.6087,
0.3548

Harmonies

Analogous

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



48.3083, 0.4111, 0.3162



48.3083, 0.4356, 0.3635



48.3083, 0.4228, 0.4082

Triad

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



48.3083, 0.4356, 0.3635



48.3083, 0.2638, 0.3941



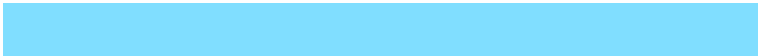
48.3083, 0.2417, 0.2328

Complementary

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



48.3083, 0.4356, 0.3635



64.0649, 0.2398, 0.2895

Split Complementary

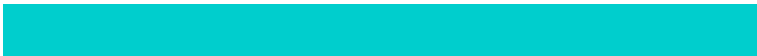
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.3083, 0.2106, 0.2421



48.3083, 0.4356, 0.3635



48.3083, 0.2217, 0.3309

Square

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



48.3083, 0.4356, 0.3635



48.3083, 0.3217, 0.4360



48.3083, 0.2036, 0.2754



48.3083, 0.2938, 0.2448

Rectangle

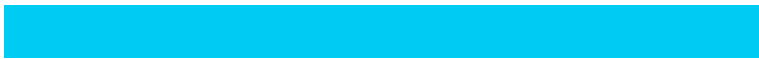
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



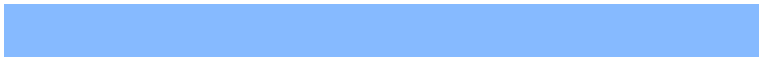
48.3083, 0.4356, 0.3635



48.3083, 0.3969, 0.4308



48.3083, 0.2036, 0.2754



48.3083, 0.2288, 0.2334

Sweetspot

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



48.3049, 0.4356, 0.3635



81.0217, 0.3394, 0.3390



42.0430, 0.3478, 0.2346



16.8234, 0.3438, 0.3405



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.



48.3049, 0.4356, 0.3635



41.4857, 0.4734, 0.3687



75.7295, 0.4009, 0.4240



18.7538, 0.3288, 0.3352



13.3615, 0.6060, 0.3571



1.4689, 0.5841, 0.3744

Inverse Universe

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



64.0649, 0.2398, 0.2895



58.7822, 0.2280, 0.2798



36.8684, 0.2243, 0.2095



19.6360, 0.2980, 0.3227



22.9953, 0.2006, 0.2423



2.4160, 0.2037, 0.2534

Previews

White Background



This preview shows how the Yxy color 48.3083, 0.4356, 0.3635 looks on a white background.

Color Contrast Check

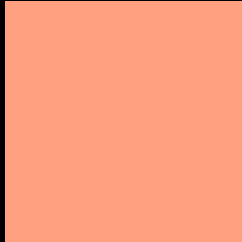
Large Text (above 18pt) WCAG AA × Fail

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 48.3083, 0.4356, 0.3635 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 48.3083, 0.4356, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 48.3083, 0.4356, 0.3635.



This preview shows how white text looks on a background with the Yxy color 48.3083, 0.4356, 0.3635.

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

48.3083, 0.4356, 0.3635

Protanopia

48.5387, 0.3624, 0.3890

Deuteranopia

48.4545, 0.3991, 0.3903



Tritanopia

48.2011, 0.3978, 0.3177

Trichromacy



Original Color

48.3083, 0.4356, 0.3635

Protanomaly

47.8320, 0.3890, 0.3794

Deuteranomaly

48.1246, 0.4126, 0.3800

Tritanomaly

48.0136, 0.4126, 0.3346

Monochromacy



Original Color

48.3083, 0.4356, 0.3635

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.4326, 0.3538, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3083, 0.4356, 0.3635 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, 161, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 128)  
}
```

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, 161, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 128) }
```

Border

The CSS property to change the border of an element to Yxy 48.3083, 0.4356, 0.3635 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, 161, 128) }
```

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

```
.border{ border-color:rgb(255, 161, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3083, 0.4356, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 128) }
```

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

```
.background{ background-color: rgb(255,  
161, 128) }
```

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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