

Converting Colors

$Y_{xy}(58.2240, 0.4585, 0.3647)$

Have a look what the booklet for
Yxy(58.2240, 0.4585, 0.3647)
contains.

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Color

Yxy(51.2209, 0.4299, 0.3708)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | FFA981 |
| RGB | 255, 169, 129 |
| RGB Percent | 100%, 66%, 51% |
| CMY | 0.0001, 0.3372, 0.4941 |
| CMYK | 0.00, 0.34, 0.49, 0.00 |
| HSL | 19°, 100%, 75% |
| HSV | 19°, 49%, 100% |
| XYZ | 59.3847, 51.2209, 27.5305 |
| YIQ | 190.1540, 64.0960, 5.7920 |

Conversions

Conversions Part 2

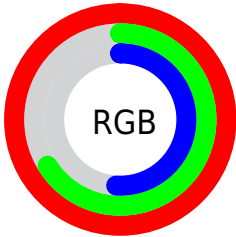
| Format | Color |
|-------------------------------------|---|
| RYB | 255, 188, 129 |
| Decimal | 16755073 |
| CIELab | 76.81, 27.39, 33.55 |
| CIELCh | 77, 43.315, 50.772 |
| Yxy | 51.2209, 0.4299, 0.3708 |
| Android (android.graphics.Color) | 4294945153 (0xFFFFA981) |
| YUV | 190.1540, -30.1489, 56.8699 |
| Hunter-Lab | 71.5688, 22.8664, 27.2909 |

Details

The Yxy color **51.2209, 0.4299, 0.3708** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **60.4745, 0.2386, 0.2807**, and the grayscale version is **51.7375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4878, 0.3640, 0.3729**, and **24.6574, 0.4613, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **44.5777, 0.4645, 0.3774**, and if you desaturate by 10%, it is **58.8999, 0.3987, 0.3627**.

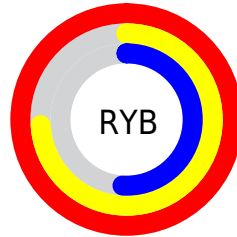
Distribution



Red (100%)

Green (66%)

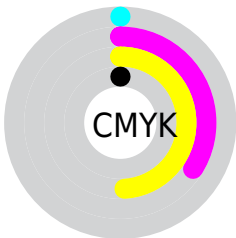
Blue (51%)



Red (100%)

Yellow (74%)

Blue (51%)

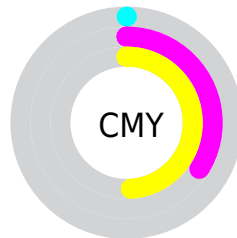


Cyan (0%)

Magenta (34%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (34%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2209, 0.4299, 0.3708 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 51.2209, 0.4299, 0.3708 by changing the saturation by 10% instead.


 51.2209, 0.4299,
0.3708

 51.2209, 0.4299,
0.3708


391.4214, 0.3721,
0.3534

 36.3844, 0.4437,
0.3740


 91.9812, 0.4093,
0.3653

 24.7313, 0.4610,
0.3774


 118.6739, 0.4014,
0.3630

 15.8769, 0.4831,
0.3806


 150.0874, 0.3947,
0.3610

 9.4371, 0.5119,
0.3830

186.6061, 0.3889,
0.3591

 5.0274, 0.5503,
0.3823

228.6145, 0.3839,
0.3574

 2.2633, 0.6178,
0.3822

276.4969, 0.3795,

 0.7542, 0.6671,

0.3560

0.3329

330.6377, 0.3756,
0.3546

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

51.2209, 0.4299,
0.3708

51.2209, 0.4299,
0.3708

44.5777, 0.4645,
0.3774

58.8999, 0.3987,
0.3627

38.9162, 0.5011,
0.3811

67.6506, 0.3715,
0.3539

34.1882, 0.5370,
0.3809

77.5162, 0.3482,
0.3450

30.3376, 0.5689,
0.3757

88.5352, 0.3285,
0.3365

■ 27.2960, 0.5938,
0.3662

99.9955, 0.3127,
0.3290

■ 27.1365, 0.5952,
0.3656

Harmonies

Analogous

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



51.2209, 0.4130, 0.3253



51.2209, 0.4299, 0.3708



51.2209, 0.4120, 0.4116

Triad

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



51.2209, 0.4299, 0.3708



51.2209, 0.2574, 0.3802



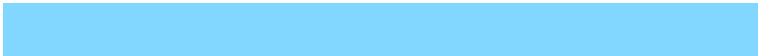
51.2209, 0.2530, 0.2377

Complementary

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



51.2209, 0.4299, 0.3708



60.4745, 0.2386, 0.2807

Split Complementary

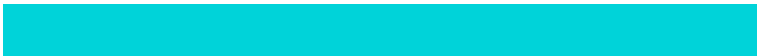
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.2209, 0.2190, 0.2429



51.2209, 0.4299, 0.3708



51.2209, 0.2209, 0.3202

Square

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



51.2209, 0.4299, 0.3708



51.2209, 0.3109, 0.4254



51.2209, 0.2079, 0.2706



51.2209, 0.3057, 0.2526

Rectangle

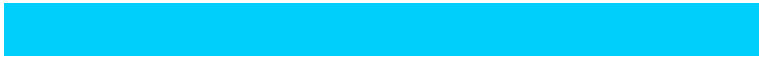
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.2209, 0.4299, 0.3708



51.2209, 0.3845, 0.4302



51.2209, 0.2079, 0.2706



51.2209, 0.2393, 0.2371

Sweetspot

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



51.2234, 0.4299, 0.3708



82.2386, 0.3391, 0.3412



41.8710, 0.3559, 0.2428



17.1139, 0.3434, 0.3430



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.



51.2234, 0.4299, 0.3708



44.8342, 0.4631, 0.3771



80.4885, 0.3960, 0.4306



18.9285, 0.3286, 0.3366



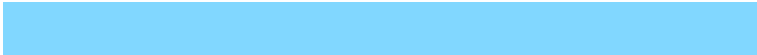
14.4182, 0.5922, 0.3680



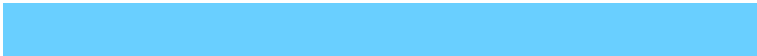
1.5906, 0.5702, 0.3855

Inverse Universe

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



60.4745, 0.2386, 0.2807



54.9287, 0.2265, 0.2694



34.3786, 0.2230, 0.2000



19.4513, 0.2980, 0.3213



19.8748, 0.1949, 0.2216



2.1320, 0.1987, 0.2353

Previews

White Background



This preview shows how the Yxy color 51.2209, 0.4299, 0.3708 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 51.2209, 0.4299, 0.3708 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 51.2209, 0.4299, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 51.2209, 0.4299, 0.3708.



This preview shows how white text looks on a background with the Yxy color 51.2209, 0.4299, 0.3708.

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

51.2209, 0.4299, 0.3708

Protanopia

51.4993, 0.3661, 0.3935

Deuteranopia

51.4822, 0.4003, 0.3922



Tritanopia

51.3049, 0.3871, 0.3176

Trichromacy



Original Color

51.2209, 0.4299, 0.3708

Protanomaly

50.8931, 0.3891, 0.3842

Deuteranomaly

51.1799, 0.4112, 0.3835

Tritanomaly

51.0356, 0.4033, 0.3366

Monochromacy



Original Color

51.2209, 0.4299, 0.3708

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.5792, 0.3524, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2209, 0.4299, 0.3708 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, 169, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 129)  
}
```

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, 169, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 129) }
```

Border

The CSS property to change the border of an element to Yxy 51.2209, 0.4299, 0.3708 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, 169, 129) }
```

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

```
.border{ border-color:rgb(255, 169, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2209, 0.4299, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 129) }
```

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

```
.background{ background-color: rgb(255,  
169, 129) }
```

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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