

Converting Colors

$Y_{xy}(83.3517, 0.4325, 0.3725)$

Have a look what the booklet for
Yxy(83.3517, 0.4325, 0.3725)
contains.

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Color

Yxy(69.8564, 0.3856, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	FFD29F
RGB	255, 210, 159
RGB Percent	100%, 82%, 62%
CMY	0.0000, 0.1765, 0.3765
CMYK	0.00, 0.18, 0.38, 0.00
HSL	32°, 100%, 81%
HSV	32°, 38%, 100%
XYZ	70.5517, 69.8564, 42.5579
YIQ	217.6410, 43.1910, -6.3210

Conversions

Conversions Part 2

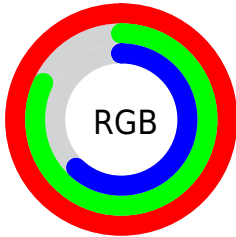
Format	Color
R _Y B	244, 255, 159
Decimal	16765599
CIE Lab	86.93, 9.07, 31.23
CIE LCh	87, 32.519, 73.808
Yxy	69.8564, 0.3856, 0.3818
Android (android.graphics.Color)	4294955679 (0xFFFFD29F)
YUV	217.6410, -28.9100, 32.7638
Hunter-Lab	83.5801, 4.4102, 28.3164

Details

The Yxy color **69.8564, 0.3856, 0.3818** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.7693, 0.2513, 0.2692**, and the grayscale version is **70.0275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **36.7088, 0.4027, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **63.3751, 0.4101, 0.3955**, and if you desaturate by 10%, it is **76.9561, 0.3631, 0.3674**.

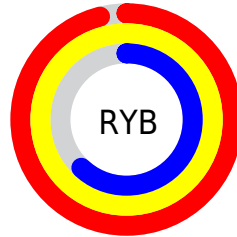
Distribution



Red (100%)

Green (82%)

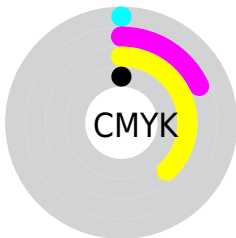
Blue (62%)



Red (96%)

Yellow (100%)

Blue (62%)

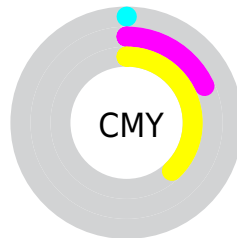


Cyan (0%)

Magenta (18%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8564, 0.3856, 0.3818 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 69.8564, 0.3856, 0.3818 by changing the saturation by 10% instead.

 69.8564, 0.3856,
0.3818

 69.8564, 0.3856,
0.3818

460.0456, 0.3517,
0.3582

 51.4095, 0.3933,
0.3869

 119.0039, 0.3739,
0.3738

 36.5346, 0.4027,
0.3930


 150.4734, 0.3693,
0.3707

 24.8474, 0.4145,
0.4004


187.0524, 0.3653,
0.3679

 15.9634, 0.4295,
0.4095

229.1254, 0.3619,
0.3655

 9.4982, 0.4492,
0.4205

277.0769, 0.3589,
0.3633

 5.0676, 0.4755,
0.4334

331.2911, 0.3562,

 2.2870, 0.5337,

0.3614

0.4663

392.1526, 0.3538,
0.3597

0.7668, 0.5546,
0.4454

0.0000, 0.0000,
0.0000

69.8564, 0.3856,
0.3818

69.8564, 0.3856,
0.3818

63.3751, 0.4101,
0.3955

76.9561, 0.3631,
0.3674

57.4989, 0.4362,
0.4076

84.7013, 0.3429,
0.3530

52.2027, 0.4626,
0.4168

93.1081, 0.3249,
0.3391

47.4620, 0.4882,
0.4218

100.0000, 0.3127,
0.3290

■ 43.2494, 0.5111,
0.4215

■ 39.5314, 0.5301,
0.4158

■ 38.7217, 0.5343,
0.4140

Harmonies

Analogous

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



69.8564, 0.3914, 0.3528



69.8564, 0.3856, 0.3818



69.8564, 0.3597, 0.3990

Triad

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



69.8564, 0.3856, 0.3818



69.8564, 0.2539, 0.3334



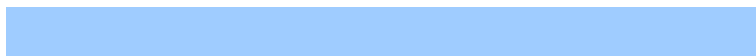
69.8564, 0.2994, 0.2715

Complementary

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



69.8564, 0.3856, 0.3818



57.7693, 0.2513, 0.2692

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.



69.8564, 0.2648, 0.2645



69.8564, 0.3856, 0.3818



69.8564, 0.2399, 0.2971

Square

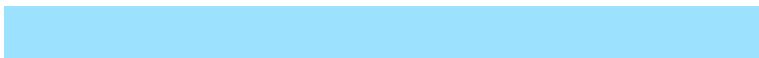
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8564, 0.3856, 0.3818



69.8564, 0.2834, 0.3712



69.8564, 0.2438, 0.2729



69.8564, 0.3398, 0.2915

Rectangle

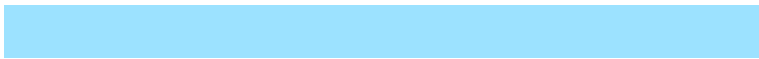
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8564, 0.3856, 0.3818



69.8564, 0.3352, 0.3996



69.8564, 0.2438, 0.2729



69.8564, 0.2867, 0.2676

Sweetspot

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



69.8539, 0.3856, 0.3818



90.2199, 0.3307, 0.3437



50.4775, 0.3604, 0.2812



19.0649, 0.3331, 0.3456



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.



69.8539, 0.3856, 0.3818



65.0346, 0.4034, 0.3920



94.9804, 0.3684, 0.4232



19.5850, 0.3281, 0.3416



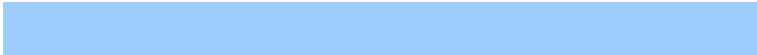
20.5348, 0.5319, 0.4159



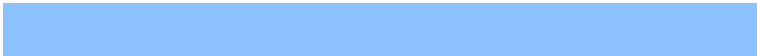
2.2182, 0.5155, 0.4289

Inverse Universe

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



57.7693, 0.2513, 0.2692



51.4162, 0.2391, 0.2550



39.5447, 0.2443, 0.2144



18.7815, 0.2979, 0.3160



11.0246, 0.1742, 0.1471



1.2898, 0.1801, 0.1684

Previews

White Background



This preview shows how the Yxy color 69.8564, 0.3856, 0.3818 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 69.8564, 0.3856, 0.3818 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 69.8564, 0.3856, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 69.8564, 0.3856, 0.3818.



This preview shows how white text looks on a background with the Yxy color 69.8564, 0.3856, 0.3818.

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

69.8564, 0.3856, 0.3818

Protanopia

70.2439, 0.3639, 0.3901

Deuteranopia

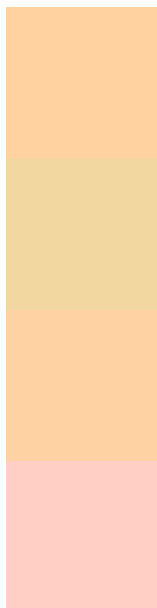
70.0698, 0.3811, 0.3757



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

69.8564, 0.3856, 0.3818

Protanomaly

70.0513, 0.3719, 0.3868

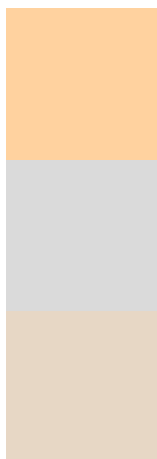
Deuteranomaly

69.9975, 0.3826, 0.3777

Tritanomaly

69.9169, 0.3575, 0.3394

Monochromacy



Original Color

69.8564, 0.3856, 0.3818

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.6210, 0.3372, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8564, 0.3856, 0.3818 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, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 159)  
}
```

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, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 159) }
```

Border

The CSS property to change the border of an element to Yxy 69.8564, 0.3856, 0.3818 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, 210, 159) }
```

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

```
.border{ border-color:rgb(255, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8564, 0.3856, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 159) }
```

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

```
.background{ background-color: rgb(255,  
210, 159) }
```

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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