

Converting Colors

$Y_{xy}(85.7379, 0.4769, 0.3905)$

Have a look what the booklet for
Yxy(85.7379, 0.4769, 0.3905)
contains.

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Color

Yxy(65.8262, 0.4158, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC79
RGB	255, 204, 121
RGB Percent	100%, 80%, 47%
CMY	0.0000, 0.2000, 0.5254
CMYK	0.00, 0.20, 0.53, 0.00
HSL	37°, 100%, 74%
HSV	37°, 53%, 100%
XYZ	66.2885, 65.8262, 27.3093
YIQ	209.7870, 57.0390, -15.0010

Conversions

Conversions Part 2

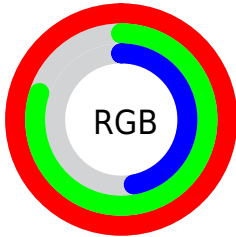
Format	Color
R _Y B	203, 255, 121
Decimal	16764025
CIE Lab	84.91, 8.46, 47.85
CIE LCh	85, 48.592, 79.973
Yxy	65.8262, 0.4158, 0.4129
Android (android.graphics.Color)	4294954105 (0xFFFFCC79)
YUV	209.7870, -43.7720, 39.6518
Hunter-Lab	81.1333, 3.8568, 36.8364

Details

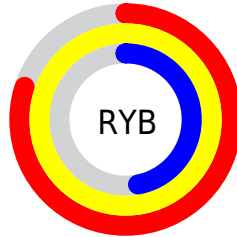
The Yxy color **65.8262, 0.4158, 0.4129** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.8025, 0.2238, 0.2244**, and the grayscale version is **64.5678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **33.9907, 0.4386, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **60.8102, 0.4387, 0.4256**, and if you desaturate by 10%, it is **71.2971, 0.3931, 0.3979**.

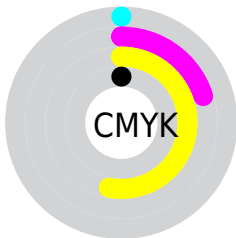
Distribution



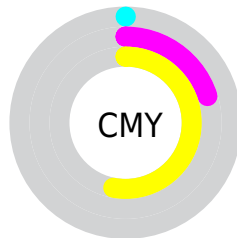
- Red (100%)
- Green (80%)
- Blue (47%)



- Red (80%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (20%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8262, 0.4158, 0.4129 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 65.8262, 0.4158, 0.4129 by changing the saturation by 10% instead.


 65.8262, 0.4158,
0.4129


 65.8262, 0.4158,
0.4129


445.7551, 0.3685,
0.3760


 48.1313, 0.4261,
0.4204

 113.2368, 0.3997,
0.4007

 33.9309, 0.4383,
0.4292


 143.7214, 0.3934,
0.3958

 22.8405, 0.4530,
0.4392


 179.2380, 0.3878,
0.3914

 14.4758, 0.4707,
0.4503


220.1710, 0.3830,
0.3876

 8.4523, 0.4914,
0.4615

266.9048, 0.3787,
0.3842

 4.3857, 0.5224,
0.4776

319.8238, 0.3749,

 1.8916, 0.5334,

0.3812

0.4666

379.3124, 0.3715,
0.3784

0.5433, 0.5709,
0.4291

0.0000, 0.0000,
0.0000

65.8262, 0.4158,
0.4129

65.8262, 0.4158,
0.4129

60.8102, 0.4387,
0.4256

71.2971, 0.3931,
0.3979

56.2277, 0.4608,
0.4347

77.2370, 0.3715,
0.3816

52.0588, 0.4809,
0.4391

83.6624, 0.3514,
0.3649

48.2795, 0.4978,
0.4382

90.5882, 0.3331,
0.3485

45.6894, 0.5084,
0.4345

98.0283, 0.3166,
0.3328

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



65.8262, 0.4336, 0.3705



65.8262, 0.4158, 0.4129



65.8262, 0.3705, 0.4381

Triad

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



65.8262, 0.4158, 0.4129



65.8262, 0.2189, 0.3213



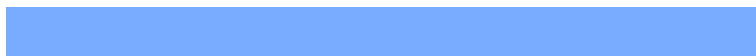
65.8262, 0.3037, 0.2498

Complementary

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



65.8262, 0.4158, 0.4129



40.8025, 0.2238, 0.2244

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.



65.8262, 0.2500, 0.2350



65.8262, 0.4158, 0.4129



65.8262, 0.2050, 0.2697

Square

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



65.8262, 0.4158, 0.4129



65.8262, 0.2569, 0.3835



65.8262, 0.2158, 0.2408



65.8262, 0.3656, 0.2813

Rectangle

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



65.8262, 0.4158, 0.4129



65.8262, 0.3321, 0.4369



65.8262, 0.2158, 0.2408



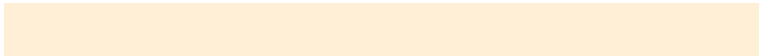
65.8262, 0.2841, 0.2428

Sweetspot

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



65.8272, 0.4158, 0.4129



88.1330, 0.3392, 0.3542



37.9349, 0.4052, 0.2767



18.5578, 0.3429, 0.3575



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.



65.8272, 0.4158, 0.4129



60.5891, 0.4398, 0.4261



91.3163, 0.3784, 0.4611



19.8609, 0.3279, 0.3437



24.1711, 0.5065, 0.4360



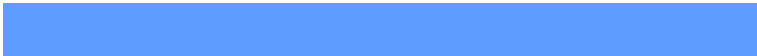
2.5645, 0.4939, 0.4460

Inverse Universe

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



40.8025, 0.2238, 0.2244



33.2293, 0.2067, 0.1990



26.1911, 0.2209, 0.1646



18.5111, 0.2979, 0.3139



8.5119, 0.1668, 0.1203



1.0317, 0.1730, 0.1427

Previews

White Background



This preview shows how the Yxy color 65.8262, 0.4158, 0.4129 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 65.8262, 0.4158, 0.4129 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 65.8262, 0.4158, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 65.8262, 0.4158, 0.4129.



This preview shows how white text looks on a background with the Yxy color 65.8262, 0.4158, 0.4129.

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

65.8262, 0.4158, 0.4129

Protanopia

65.8658, 0.3916, 0.4243

Deuteranopia

65.6378, 0.4086, 0.4018



Tritanopia

65.7960, 0.3501, 0.3168

Trichromacy



Original Color

65.8262, 0.4158, 0.4129

Protanomaly

65.7318, 0.4003, 0.4200

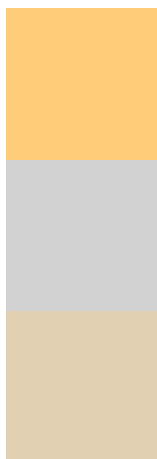
Deuteranomaly

65.5304, 0.4115, 0.4055

Tritanomaly

65.7429, 0.3751, 0.3531

Monochromacy



Original Color

65.8262, 0.4158, 0.4129

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.4949, 0.3485, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8262, 0.4158, 0.4129 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, 204, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 121)  
}
```

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, 204, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 121) }
```

Border

The CSS property to change the border of an element to Yxy 65.8262, 0.4158, 0.4129 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, 204, 121) }
```

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

```
.border{ border-color:rgb(255, 204, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8262, 0.4158, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 121) }
```

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

```
.background{ background-color: rgb(255,  
204, 121) }
```

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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