

Converting Colors

Yxy(65.6426, 0.4178, 0.4152)

Have a look what the booklet for
Yxy(65.6426, 0.4178, 0.4152)
contains.

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Color

Yxy(65.7537, 0.4178, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC76
RGB	255, 204, 118
RGB Percent	100%, 80%, 46%
CMY	0.0000, 0.2000, 0.5371
CMYK	0.00, 0.20, 0.54, 0.00
HSL	38°, 100%, 73%
HSV	38°, 54%, 100%
XYZ	66.1018, 65.7537, 26.3584
YIQ	209.4450, 58.0020, -15.9340

Conversions

Conversions Part 2

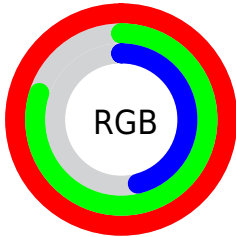
Format	Color
R _Y B	199, 255, 118
Decimal	16764022
CIE Lab	84.87, 8.20, 49.27
CIE LCh	85, 49.946, 80.546
Yxy	65.7537, 0.4178, 0.4156
Android (android.graphics.Color)	4294954102 (0xFFFFCC76)
YUV	209.4450, -45.0824, 39.9517
Hunter-Lab	81.0887, 3.6043, 37.4894

Details

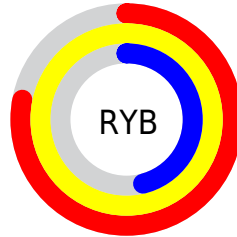
The Yxy color **65.7537, 0.4178, 0.4156** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.4564, 0.2215, 0.2201**, and the grayscale version is **64.3419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **33.8200, 0.4398, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **60.8542, 0.4404, 0.4281**, and if you desaturate by 10%, it is **71.0984, 0.3953, 0.4006**.

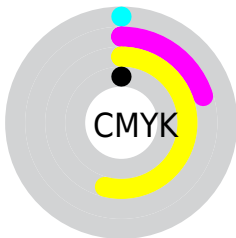
Distribution



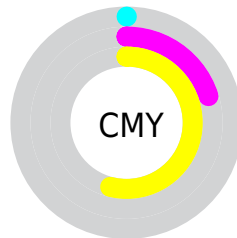
- Red (100%)
- Green (80%)
- Blue (46%)



- Red (78%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (20%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7537, 0.4178, 0.4156 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 65.7537, 0.4178, 0.4156 by changing the saturation by 10% instead.

 65.7537, 0.4178,
0.4156


 65.7537, 0.4178,
0.4156

445.4955, 0.3697,
0.3776


 48.0725, 0.4282,
0.4233


 113.1328, 0.4015,
0.4031

 33.8843, 0.4405,
0.4322


 143.5994, 0.3950,
0.3980

 22.8047, 0.4552,
0.4424


 179.0966, 0.3894,
0.3935

 14.4494, 0.4728,
0.4535

220.0088, 0.3845,
0.3896

 8.4339, 0.4933,
0.4649

266.7204, 0.3801,
0.3861

 4.3738, 0.5214,
0.4786

319.6158, 0.3763,

 1.8848, 0.5321,

0.3829

0.4679

379.0794, 0.3728,
0.3801

0.5392, 0.5693,
0.4307

0.0000, 0.0000,
0.0000

65.7537, 0.4178,
0.4156

65.7537, 0.4178,
0.4156

60.8542, 0.4404,
0.4281

71.0984, 0.3953,
0.4006

56.3720, 0.4619,
0.4369


76.8955, 0.3737,
0.3842


52.2896, 0.4813,
0.4409

83.1638, 0.3535,
0.3674

48.5828, 0.4974,
0.4396

89.9177, 0.3351,
0.3507

 46.4235, 0.5060,
0.4364

 97.1710, 0.3184,
0.3347

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



65.7537, 0.4369, 0.3721



65.7537, 0.4178, 0.4156



65.7537, 0.3708, 0.4414

Triad

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



65.7537, 0.4178, 0.4156



65.7537, 0.2160, 0.3197



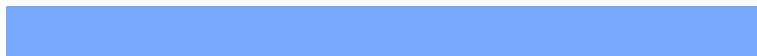
65.7537, 0.3046, 0.2483

Complementary

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



65.7537, 0.4178, 0.4156



39.4564, 0.2215, 0.2201

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.



65.7537, 0.2492, 0.2328



65.7537, 0.4178, 0.4156



65.7537, 0.2023, 0.2672

Square

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



65.7537, 0.4178, 0.4156



65.7537, 0.2544, 0.3840



65.7537, 0.2138, 0.2382



65.7537, 0.3682, 0.2808

Rectangle

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



65.7537, 0.4178, 0.4156



65.7537, 0.3313, 0.4399



65.7537, 0.2138, 0.2382



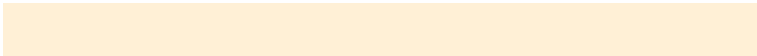
65.7537, 0.2844, 0.2411

Sweetspot

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



65.7569, 0.4178, 0.4156



88.3349, 0.3391, 0.3545



37.1464, 0.4084, 0.2757



18.6060, 0.3429, 0.3579



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.



65.7569, 0.4178, 0.4156



60.7235, 0.4410, 0.4284



91.1749, 0.3796, 0.4637



19.8875, 0.3278, 0.3439



24.5554, 0.5042, 0.4379



2.6005, 0.4919, 0.4476

Inverse Universe

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



39.4564, 0.2215, 0.2201



32.1210, 0.2047, 0.1948



25.2548, 0.2185, 0.1606



18.4854, 0.2979, 0.3137



8.3037, 0.1661, 0.1179



1.0096, 0.1723, 0.1404

Previews

White Background



This preview shows how the Yxy color 65.7537, 0.4178, 0.4156 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 65.7537, 0.4178, 0.4156 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 65.7537, 0.4178, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 65.7537, 0.4178, 0.4156.



This preview shows how white text looks on a background with the Yxy color 65.7537, 0.4178, 0.4156.

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

65.7537, 0.4178, 0.4156

Protanopia

65.7911, 0.3935, 0.4273

Deuteranopia

65.6106, 0.4093, 0.4027



Tritanopia

65.7960, 0.3501, 0.3168

Trichromacy



Original Color

65.7537, 0.4178, 0.4156

Protanomaly

65.6578, 0.4023, 0.4229

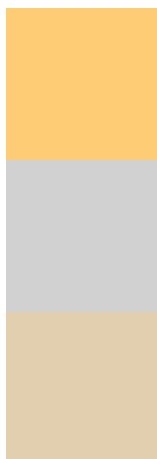
Deuteranomaly

65.4782, 0.4129, 0.4074

Tritanomaly

65.7031, 0.3759, 0.3542

Monochromacy



Original Color

65.7537, 0.4178, 0.4156

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.9290, 0.3503, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7537, 0.4178, 0.4156 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 118) }
```

Border

The CSS property to change the border of an element to Yxy 65.7537, 0.4178, 0.4156 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, 118) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7537, 0.4178, 0.4156 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, 118) }
```

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

```
.background{ background-color: rgb(255,  
204, 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](#).

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