

Converting Colors

$Y_{xy}(70.6753, 0.4251, 0.4150)$

Have a look what the booklet for
Yxy(70.6753, 0.4251, 0.4150)
contains.

Yxy(68.1928, 0.4143, 0.4193)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.1928, 0.4143, 0.4193)

Conversions

Conversions Part 1

Format	Color
Hex	FFD177
RGB	255, 209, 119
RGB Percent	100%, 82%, 47%
CMY	0.0000, 0.1804, 0.5333
CMYK	0.00, 0.18, 0.53, 0.00
HSL	40°, 100%, 73%
HSV	40°, 53%, 100%
XYZ	67.3796, 68.1928, 27.0624
YIQ	212.4940, 56.3060, -18.2380

Conversions

Conversions Part 2

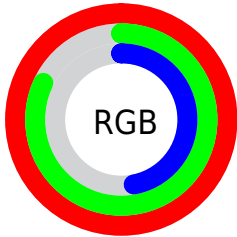
Format	Color
RYB	189, 255, 119
Decimal	16765303
CIELab	86.10, 5.73, 50.29
CIELCh	86, 50.617, 83.501
Yxy	68.1928, 0.4143, 0.4193
Android (android.graphics.Color)	4294955383 (0xFFFFD177)
YUV	212.4940, -46.0925, 37.2778
Hunter-Lab	82.5789, 1.1325, 38.3750

Details

The Yxy color **68.1928, 0.4143, 0.4193** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.0536, 0.2209, 0.2149**, and the grayscale version is **66.4654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **35.5837, 0.4362, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **63.5380, 0.4356, 0.4326**, and if you desaturate by 10%, it is **73.2345, 0.3928, 0.4035**.

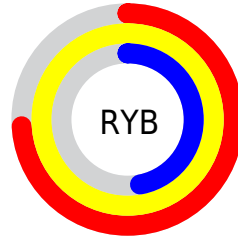
Distribution



Red (100%)

Green (82%)

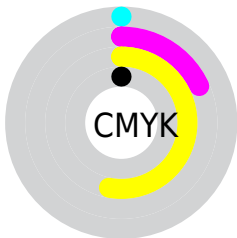
Blue (47%)



Red (74%)

Yellow (100%)

Blue (47%)

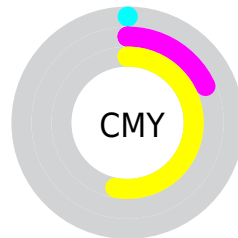


Cyan (0%)

Magenta (18%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (18%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1928, 0.4143, 0.4193 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 68.1928, 0.4143, 0.4193 by changing the saturation by 10% instead.


 68.1928, 0.4143,
0.4193

 68.1928, 0.4143,
0.4193


454.1788, 0.3683,
0.3796

 50.0546, 0.4241,
0.4274

 116.6279, 0.3988,
0.4062

 35.4568, 0.4357,
0.4368


 147.6936, 0.3926,
0.4009

 24.0150, 0.4494,
0.4477


 183.8373, 0.3872,
0.3962

 15.3447, 0.4656,
0.4597

225.4433, 0.3825,
0.3921

 9.0617, 0.4841,
0.4723

272.8961, 0.3783,
0.3884

 4.7814, 0.5106,
0.4894

326.5800, 0.3746,

 2.1196, 0.5177,

0.3851

0.4823

386.8794, 0.3713,
0.3822

0.6756, 0.5365,
0.4635

0.0000, 0.0000,
0.0000

68.1928, 0.4143,
0.4193

68.1928, 0.4143,
0.4193

63.5380, 0.4356,
0.4326

73.2345, 0.3928,
0.4035

59.2629, 0.4557,
0.4422

78.6885, 0.3720,
0.3863

55.3451, 0.4735,
0.4471

84.5658, 0.3523,
0.3687

51.7617, 0.4882,
0.4467

90.8798, 0.3343,
0.3512

■ 49.5388, 0.4964,
0.4440

■ 97.6430, 0.3178,
0.3344

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.



68.1928, 0.4368, 0.3768



68.1928, 0.4143, 0.4193



68.1928, 0.3653, 0.4424

Triad

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



68.1928, 0.4143, 0.4193



68.1928, 0.2134, 0.3136



68.1928, 0.3108, 0.2508

Complementary

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



68.1928, 0.4143, 0.4193



38.0536, 0.2209, 0.2149

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.



68.1928, 0.2538, 0.2334



68.1928, 0.4143, 0.4193



68.1928, 0.2022, 0.2631

Square

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



68.1928, 0.4143, 0.4193



68.1928, 0.2496, 0.3779



68.1928, 0.2161, 0.2365



68.1928, 0.3743, 0.2846

Rectangle

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



68.1928, 0.4143, 0.4193



68.1928, 0.3252, 0.4382



68.1928, 0.2161, 0.2365



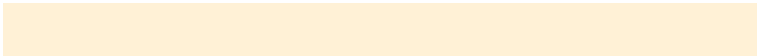
68.1928, 0.2902, 0.2429

Sweetspot

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



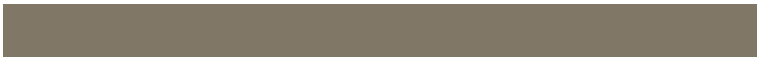
68.1894, 0.4143, 0.4193



89.1533, 0.3389, 0.3558



37.2283, 0.4129, 0.2806



18.8017, 0.3426, 0.3594



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.



68.1894, 0.4143, 0.4193



63.2419, 0.4370, 0.4334



90.4459, 0.3760, 0.4645



19.9949, 0.3278, 0.3447



26.1726, 0.4948, 0.4453



2.7507, 0.4840, 0.4539

Inverse Universe

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



38.0536, 0.2209, 0.2149



30.3547, 0.2030, 0.1874



25.9364, 0.2223, 0.1631



18.3820, 0.2979, 0.3128



7.5184, 0.1636, 0.1088



0.9247, 0.1698, 0.1312

Previews

White Background



This preview shows how the Yxy color 68.1928, 0.4143, 0.4193 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 68.1928, 0.4143, 0.4193 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 68.1928, 0.4143, 0.4193

Background



This preview shows how black text looks on a background with the Yxy color 68.1928, 0.4143, 0.4193.



This preview shows how white text looks on a background with the Yxy color 68.1928, 0.4143, 0.4193.

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

68.1928, 0.4143, 0.4193

Protanopia

68.4967, 0.3948, 0.4297

Deuteranopia

68.3854, 0.3975, 0.3949



Tritanopia

68.3561, 0.3453, 0.3168

Trichromacy



Original Color

68.1928, 0.4143, 0.4193

Protanomaly

68.1777, 0.4026, 0.4256

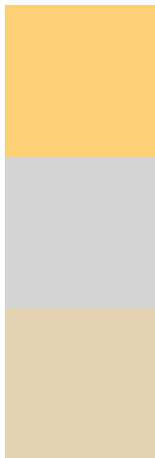
Deuteranomaly

68.1210, 0.4039, 0.4036

Tritanomaly

68.1773, 0.3720, 0.3561

Monochromacy



Original Color

68.1928, 0.4143, 0.4193

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.2969, 0.3495, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1928, 0.4143, 0.4193 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, 209, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 119)  
}
```

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, 209, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 119) }
```

Border

The CSS property to change the border of an element to Yxy 68.1928, 0.4143, 0.4193 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, 209, 119) }
```

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

```
.border{ border-color:rgb(255, 209, 119) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1928, 0.4143, 0.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 119) }
```

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

```
.background{ background-color: rgb(255,  
209, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor