

Converting Colors

$Y_{xy}(80.1273, 0.4433, 0.4066)$

Have a look what the booklet for
Yxy(80.1273, 0.4433, 0.4066)
contains.

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Color

Yxy(70.2786, 0.4094, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	FFD57B
RGB	255, 213, 123
RGB Percent	100%, 84%, 48%
CMY	0.0001, 0.1646, 0.5176
CMYK	0.00, 0.16, 0.52, 0.00
HSL	41°, 100%, 74%
HSV	41°, 52%, 100%
XYZ	68.6029, 70.2786, 28.6879
YIQ	215.2980, 53.9220, -19.0860

Conversions

Conversions Part 2

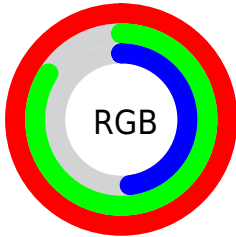
Format	Color
R _Y B	185, 255, 123
Decimal	16766331
CIE Lab	87.13, 3.97, 49.60
CIE LCh	87, 49.758, 85.425
Yxy	70.2786, 0.4094, 0.4194
Android (android.graphics.Color)	4294956411 (0xFFFFD57B)
YUV	215.2980, -45.5029, 34.8187
Hunter-Lab	83.8323, -0.6338, 38.3933

Details

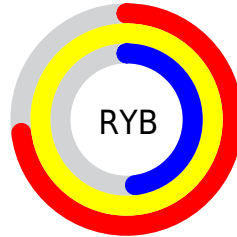
The Yxy color **70.2786, 0.4094, 0.4194** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.3260, 0.2230, 0.2155**, and the grayscale version is **68.4554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **36.9870, 0.4297, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **65.7470, 0.4301, 0.4335**, and if you desaturate by 10%, it is **75.1870, 0.3885, 0.4029**.

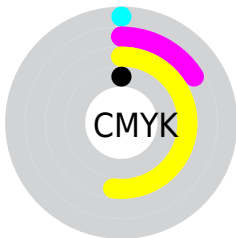
Distribution



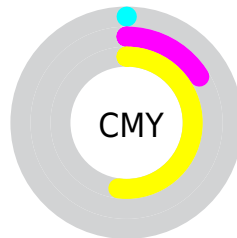
- Red (100%)
- Green (84%)
- Blue (48%)



- Red (73%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (16%)
- Yellow (52%)
- Black (0%)





- Cyan (0%)
- Magenta (16%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2786, 0.4094, 0.4194 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 70.2786, 0.4094, 0.4194 by changing the saturation by 10% instead.


 70.2786, 0.4094,
0.4194

 70.2786, 0.4094,
0.4194


461.5276, 0.3659,
0.3795


 51.7537, 0.4186,
0.4276


 119.6060, 0.3948,
0.4062

 36.8088, 0.4296,
0.4373


 151.1772, 0.3889,
0.4008

 25.0595, 0.4425,
0.4484


 187.8661, 0.3838,
0.3961

 16.1214, 0.4578,
0.4612

230.0569, 0.3794,
0.3920

 9.6101, 0.4752,
0.4749

278.1340, 0.3754,
0.3883

 5.1412, 0.5031,
0.4969

332.4819, 0.3719,

 2.3303, 0.5079,

0.3851

0.4921

393.4850, 0.3687,
0.3821

0.7897, 0.5176,
0.4824

0.0000, 0.0000,
0.0000

70.2786, 0.4094,
0.4194

70.2786, 0.4094,
0.4194

65.7470, 0.4301,
0.4335

75.1870, 0.3885,
0.4029

61.5661, 0.4496,
0.4441

80.4769, 0.3683,
0.3851

57.7210, 0.4669,
0.4502

86.1651, 0.3492,
0.3670

54.1903, 0.4812,
0.4511

92.2643, 0.3315,
0.3491

51.4922, 0.4908,
0.4485

98.7863, 0.3154,
0.3319

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



70.2786, 0.4331, 0.3788



70.2786, 0.4094, 0.4194



70.2786, 0.3605, 0.4397

Triad

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



70.2786, 0.4094, 0.4194



70.2786, 0.2144, 0.3105



70.2786, 0.3149, 0.2543

Complementary

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



70.2786, 0.4094, 0.4194



38.3260, 0.2230, 0.2155

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.



70.2786, 0.2584, 0.2361



70.2786, 0.4094, 0.4194



70.2786, 0.2049, 0.2626

Square

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



70.2786, 0.4094, 0.4194



70.2786, 0.2483, 0.3726



70.2786, 0.2201, 0.2379



70.2786, 0.3763, 0.2883

Rectangle

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



70.2786, 0.4094, 0.4194



70.2786, 0.3213, 0.4337



70.2786, 0.2201, 0.2379



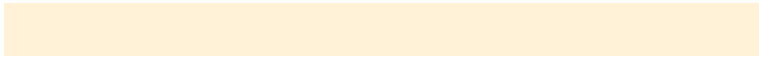
70.2786, 0.2946, 0.2462

Sweetspot

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



70.2819, 0.4094, 0.4194



89.6462, 0.3388, 0.3566



38.2115, 0.4110, 0.2841



18.9197, 0.3424, 0.3603



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.



70.2819, 0.4094, 0.4194



65.6564, 0.4306, 0.4338



90.2551, 0.3730, 0.4617



20.0595, 0.3277, 0.3452



27.1923, 0.4893, 0.4497



2.8446, 0.4793, 0.4576

Inverse Universe

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



38.3260, 0.2230, 0.2155



30.6752, 0.2052, 0.1883



27.4042, 0.2270, 0.1690



18.3203, 0.2979, 0.3123



7.0895, 0.1621, 0.1037



0.8772, 0.1683, 0.1258

Previews

White Background



This preview shows how the Yxy color 70.2786, 0.4094, 0.4194 looks on a white background.

Color Contrast Check

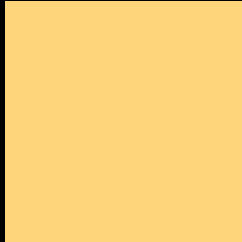
Large Text (above 18pt) WCAG AA × Fail

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 70.2786, 0.4094, 0.4194 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 70.2786, 0.4094, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 70.2786, 0.4094, 0.4194.



This preview shows how white text looks on a background with the Yxy color 70.2786, 0.4094, 0.4194.

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

70.2786, 0.4094, 0.4194

Protanopia

70.6690, 0.3931, 0.4276

Deuteranopia

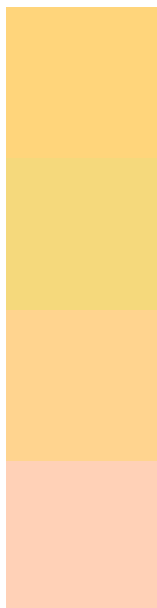
70.2151, 0.3881, 0.3868



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.2786, 0.4094, 0.4194

Protanomaly

70.4934, 0.3987, 0.4252

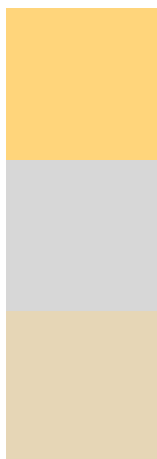
Deuteranomaly

70.3301, 0.3964, 0.3997

Tritanomaly

70.2798, 0.3677, 0.3560

Monochromacy



Original Color

70.2786, 0.4094, 0.4194

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.2935, 0.3475, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2786, 0.4094, 0.4194 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, 213, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 123)  
}
```

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, 213, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 123) }
```

Border

The CSS property to change the border of an element to Yxy 70.2786, 0.4094, 0.4194 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, 213, 123) }
```

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

```
.border{ border-color:rgb(255, 213, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2786, 0.4094, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 123) }
```

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

```
.background{ background-color: rgb(255,  
213, 123) }
```

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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