

Converting Colors

$Yxy(64.8876, 0.4245, 0.4284)$

Have a look what the booklet for
Yxy(64.8876, 0.4245, 0.4284)
contains.

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Color

Yxy(64.8807, 0.4244, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	FCCC68
RGB	252, 204, 104
RGB Percent	99%, 80%, 41%
CMY	0.0119, 0.1999, 0.5922
CMYK	0.00, 0.19, 0.59, 0.01
HSL	41°, 96%, 70%
HSV	41°, 59%, 99%
XYZ	64.2299, 64.8807, 22.2323
YIQ	206.9520, 60.7080, -20.9240

Conversions

Conversions Part 2

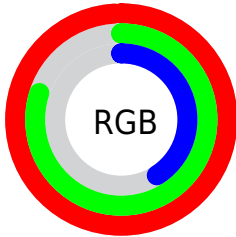
Format	Color
RYB	175, 252, 104
Decimal	16567400
CIELab	84.42, 5.91, 55.37
CIElCh	84, 55.686, 83.902
Yxy	64.8807, 0.4244, 0.4287
Android (android.graphics.Color)	4294757480 (0xFFFC68)
YUV	206.9520, -50.7553, 39.5071
Hunter-Lab	80.5486, 1.3770, 40.0193

Details

The Yxy color **64.8807, 0.4244, 0.4287** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.4111, 0.2111, 0.1983**, and the grayscale version is **62.6686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **33.2582, 0.4474, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **60.6647, 0.4446, 0.4404**, and if you desaturate by 10%, it is **69.4594, 0.4034, 0.4139**.

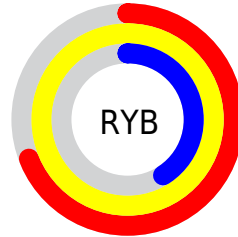
Distribution



Red (99%)

Green (80%)

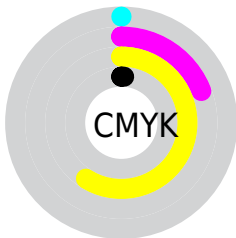
Blue (41%)



Red (69%)

Yellow (99%)

Blue (41%)

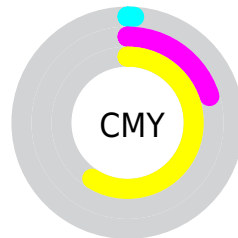


Cyan (0%)

Magenta (19%)

Yellow (59%)

Black (1%)



Cyan (1%)


Magenta (20%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8807, 0.4244, 0.4287 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 64.8807, 0.4244, 0.4287 by changing the saturation by 10% instead.


 64.8807, 0.4244,
0.4287

 64.8807, 0.4244,
0.4287

442.3631, 0.3740,
0.3851


 47.3643, 0.4349,
0.4374


 111.8783, 0.4076,
0.4145


 33.3238, 0.4472,
0.4472

 142.1284, 0.4008,
0.4086

 22.3746, 0.4615,
0.4582


 177.3918, 0.3949,
0.4035

 14.1324, 0.4776,
0.4698

 218.0530, 0.3897,
0.3990

 8.2128, 0.4991,
0.4845

264.4963, 0.3851,
0.3949

 4.2314, 0.5123,
0.4877

317.1062, 0.3810,

 1.8038, 0.5204,

0.3913

0.4796

376.2670, 0.3773,
0.3880

■ 0.4896, 0.5546,
0.4454

■ 0.0000, 0.0000,
0.0000

■ 64.8807, 0.4244,
0.4287

■ 64.8807, 0.4244,
0.4287

■ 60.6647, 0.4446,
0.4404

■ 69.4594, 0.4034,
0.4139

■ 56.7849, 0.4630,
0.4478

■ 74.4069, 0.3825,
0.3970

■ 53.2246, 0.4786,
0.4502

■ 79.7404, 0.3624,
0.3792

■ 49.9565, 0.4909,
0.4477

■ 85.4727, 0.3437,
0.3612

■ 49.5577, 0.4924,
0.4472

■ 91.6163, 0.3264,
0.3437

■ 98.1709, 0.3109,
0.3271

■ 99.4311, 0.3108,
0.3290

Harmonies

Analogous

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



64.8807, 0.4508, 0.3810



64.8807, 0.4244, 0.4287



64.8807, 0.3692, 0.4561

Triad

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



64.8807, 0.4244, 0.4287



64.8807, 0.2025, 0.3100



64.8807, 0.3110, 0.2432

Complementary

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



64.8807, 0.4244, 0.4287



32.4111, 0.2111, 0.1983

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.



64.8807, 0.2478, 0.2239



64.8807, 0.4244, 0.4287



64.8807, 0.1910, 0.2546

Square

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



64.8807, 0.4244, 0.4287



64.8807, 0.2414, 0.3829



64.8807, 0.2066, 0.2265



64.8807, 0.3822, 0.2803

Rectangle

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



64.8807, 0.4244, 0.4287



64.8807, 0.3247, 0.4521



64.8807, 0.2066, 0.2265



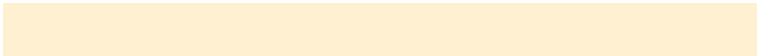
64.8807, 0.2881, 0.2346

Sweetspot

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



64.8838, 0.4244, 0.4287



88.2617, 0.3424, 0.3599



32.9010, 0.4321, 0.2795



18.5134, 0.3477, 0.3651



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.



64.8838, 0.4244, 0.4287



61.7891, 0.4472, 0.4416



86.9872, 0.3789, 0.4771



19.1868, 0.3277, 0.3450



26.1000, 0.4909, 0.4484



2.6097, 0.4802, 0.4569

Inverse Universe

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



32.4111, 0.2111, 0.1983



25.9244, 0.1930, 0.1688



21.5666, 0.2134, 0.1461



17.5615, 0.2979, 0.3125



7.0153, 0.1626, 0.1053



0.8336, 0.1691, 0.1287

Previews

White Background



This preview shows how the Yxy color 64.8807, 0.4244, 0.4287 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 64.8807, 0.4244, 0.4287 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 64.8807, 0.4244, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 64.8807, 0.4244, 0.4287.



This preview shows how white text looks on a background with the Yxy color 64.8807, 0.4244, 0.4287.

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

64.8807, 0.4244, 0.4287

Protanopia

64.9528, 0.4034, 0.4404

Deuteranopia

64.8815, 0.4170, 0.4111



Tritanopia

64.8443, 0.3513, 0.3157

Trichromacy



Original Color

64.8807, 0.4244, 0.4287

Protanomaly

64.6569, 0.4115, 0.4359

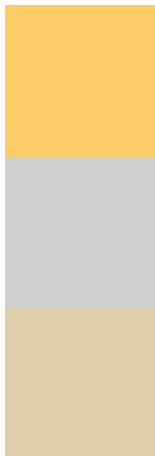
Deuteranomaly

65.0205, 0.4196, 0.4177

Tritanomaly

64.3613, 0.3806, 0.3585

Monochromacy



Original Color

64.8807, 0.4244, 0.4287

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.7329, 0.3526, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8807, 0.4244, 0.4287 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(252, 204, 104)` looks like.

```
.text, #text, p{  
    color:rgb(252, 204, 104)  
}
```

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(252, 204, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 204, 104) }
```

Border

The CSS property to change the border of an element to Yxy 64.8807, 0.4244, 0.4287 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(252, 204, 104) }
```

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

```
.border{ border-color:rgb(252, 204, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 204, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 204, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 204, 104);  
box-shadow:4px 4px 4px 4px rgb(252, 204,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8807, 0.4244, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 204, 104) }
```

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

```
.background{ background-color: rgb(252,  
204, 104) }
```

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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