

Converting Colors

$Y_{xy}(67.6079, 0.4250, 0.4332)$

Have a look what the booklet for
Yxy(67.6079, 0.4250, 0.4332)
contains.

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Color

Yxy(67.8202, 0.4248, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	FFD166
RGB	255, 209, 102
RGB Percent	100%, 82%, 40%
CMY	0.0000, 0.1804, 0.6002
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.4438, 67.8202, 22.1479
YIQ	210.5560, 61.7630, -23.5250

Conversions

Conversions Part 2

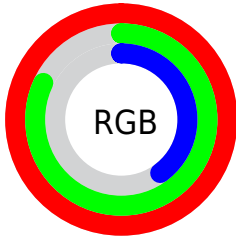
Format	Color
R_{YB}	168, 255, 102
Decimal	16765286
CIE _{Lab}	85.92, 4.46, 58.10
CIE _{LCh}	86, 58.267, 85.611
Yxy	67.8202, 0.4248, 0.4336
Android (android.graphics.Color)	4294955366 (0xFFFFD166)
YUV	210.5560, -53.5181, 38.9774
Hunter-Lab	82.3530, -0.1010, 41.7017

Details

The Yxy color **67.8202, 0.4248, 0.4336** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.2102, 0.2078, 0.1901**, and the grayscale version is **65.1579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **35.2665, 0.4463, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **63.7174, 0.4439, 0.4452**, and if you desaturate by 10%, it is **72.2569, 0.4046, 0.4187**.

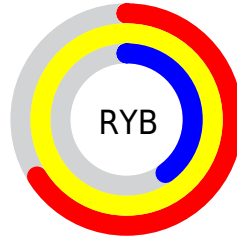
Distribution



Red (100%)

Green (82%)

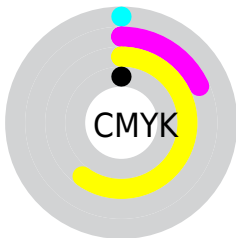
Blue (40%)



Red (66%)

Yellow (100%)

Blue (40%)

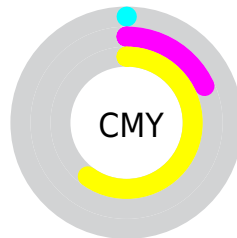


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8202, 0.4248, 0.4336 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 67.8202, 0.4248, 0.4336 by changing the saturation by 10% instead.


 67.8202, 0.4248,
0.4336


 67.8202, 0.4248,
0.4336

452.8587, 0.3750,
0.3882


 49.7515, 0.4350,
0.4426


 116.0949, 0.4083,
0.4189


 35.2160, 0.4468,
0.4527


 147.0696, 0.4017,
0.4128

 23.8293, 0.4602,
0.4639


 183.1152, 0.3958,
0.4075

 15.2070, 0.4752,
0.4757

 224.6159, 0.3906,
0.4027

 8.9648, 0.4947,
0.4906

271.9563, 0.3861,
0.3985

 4.7182, 0.5056,
0.4944

325.5206, 0.3820,

 2.0829, 0.5112,

0.3947

0.4888

385.6933, 0.3783,
0.3913

0.6550, 0.5276,
0.4724

0.0000, 0.0000,
0.0000

67.8202, 0.4248,
0.4336

67.8202, 0.4248,
0.4336

63.7174, 0.4439,
0.4452

72.2569, 0.4046,
0.4187

59.9351, 0.4609,
0.4524

77.0467, 0.3842,
0.4015

56.4518, 0.4750,
0.4546

82.2024, 0.3645,
0.3832

53.2407, 0.4861,
0.4522

87.7369, 0.3458,
0.3647

 93.6623, 0.3285,
0.3465

99.9899, 0.3127,
0.3290

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.



67.8202, 0.4544, 0.3849



67.8202, 0.4248, 0.4336



67.8202, 0.3667, 0.4606

Triad

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



67.8202, 0.4248, 0.4336



67.8202, 0.1980, 0.3053



67.8202, 0.3150, 0.2427

Complementary

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



67.8202, 0.4248, 0.4336



31.2102, 0.2078, 0.1901

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.



67.8202, 0.2491, 0.2217



67.8202, 0.4248, 0.4336



67.8202, 0.1880, 0.2499

Square

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



67.8202, 0.4248, 0.4336



67.8202, 0.2362, 0.3804



67.8202, 0.2054, 0.2229



67.8202, 0.3883, 0.2814

Rectangle

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



67.8202, 0.4248, 0.4336



67.8202, 0.3207, 0.4549



67.8202, 0.2054, 0.2229



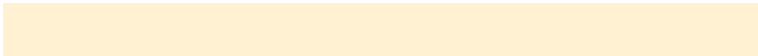
67.8202, 0.2912, 0.2335

Sweetspot

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



67.8189, 0.4248, 0.4336



88.8994, 0.3422, 0.3610



32.9706, 0.4397, 0.2814



18.6700, 0.3474, 0.3663



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.



67.8189, 0.4248, 0.4336



62.9420, 0.4475, 0.4470



88.8001, 0.3781, 0.4809



20.1147, 0.3277, 0.3456



28.0937, 0.4847, 0.4533



2.9271, 0.4754, 0.4607

Inverse Universe

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



31.2102, 0.2078, 0.1901



23.6471, 0.1887, 0.1581



21.4622, 0.2126, 0.1426



18.2678, 0.2979, 0.3119



6.7472, 0.1610, 0.0995



0.8386, 0.1671, 0.1214

Previews

White Background



This preview shows how the Yxy color 67.8202, 0.4248, 0.4336 looks on a white background.

Color Contrast Check

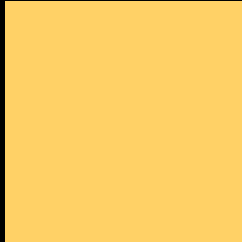
Large Text (above 18pt) WCAG AA × Fail

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 67.8202, 0.4248, 0.4336 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 67.8202, 0.4248, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 67.8202, 0.4248, 0.4336.



This preview shows how white text looks on a background with the Yxy color 67.8202, 0.4248, 0.4336.

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

67.8202, 0.4248, 0.4336

Protanopia

67.7775, 0.4063, 0.4437

Deuteranopia

67.7206, 0.4023, 0.3998



Tritanopia

67.8374, 0.3463, 0.3168

Trichromacy



Original Color

67.8202, 0.4248, 0.4336

Protanomaly

67.8009, 0.4129, 0.4405

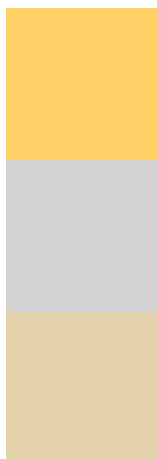
Deuteranomaly

67.8524, 0.4108, 0.4130

Tritanomaly

67.4629, 0.3770, 0.3614

Monochromacy



Original Color

67.8202, 0.4248, 0.4336

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.3644, 0.3541, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8202, 0.4248, 0.4336 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 102) }
```

Border

The CSS property to change the border of an element to Yxy 67.8202, 0.4248, 0.4336 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, 102) }
```

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

```
.border{ border-color:rgb(255, 209, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8202, 0.4248, 0.4336 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
209, 102) }
```

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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