

Converting Colors

$Yxy(80.5848, 0.4741, 0.4087)$

Have a look what the booklet for
Yxy(80.5848, 0.4741, 0.4087)
contains.

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Color

Yxy(66.3619, 0.4267, 0.4310)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE66
RGB	255, 206, 102
RGB Percent	100%, 81%, 40%
CMY	0.0001, 0.1921, 0.6001
CMYK	0.00, 0.19, 0.60, 0.00
HSL	41°, 100%, 70%
HSV	41°, 60%, 100%
XYZ	65.6998, 66.3619, 21.9102
YIQ	208.7950, 62.5880, -21.9560

Conversions

Conversions Part 2

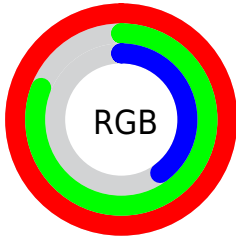
Format	Color
R_{YB}	174, 255, 102
Decimal	16764518
CIE _{Lab}	85.18, 5.97, 57.25
CIE _{LCh}	85, 57.560, 84.049
Yxy	66.3619, 0.4267, 0.4310
Android (android.graphics.Color)	4294954598 (0xFFFFCE66)
YUV	208.7950, -52.6499, 40.5218
Hunter-Lab	81.4628, 1.4005, 41.0774

Details

The Yxy color **66.3619, 0.4267, 0.4310** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.1504, 0.2087, 0.1940**, and the grayscale version is **63.9381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **34.2803, 0.4495, 0.4494** is the 20% darker color. If you saturate the color by 10%, you get **62.1079, 0.4466, 0.4423**, and if you desaturate by 10%, it is **70.9817, 0.4059, 0.4164**.

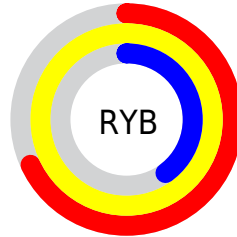
Distribution



Red (100%)

Green (81%)

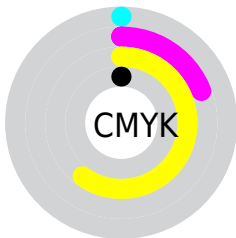
Blue (40%)



Red (68%)

Yellow (100%)

Blue (40%)

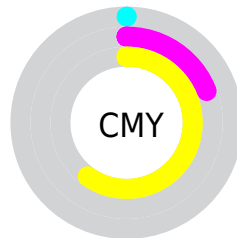


Cyan (0%)

Magenta (19%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3619, 0.4267, 0.4310 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 66.3619, 0.4267, 0.4310 by changing the saturation by 10% instead.


 66.3619, 0.4267,
0.4310


 66.3619, 0.4267,
0.4310


447.6700, 0.3756,
0.3868


 48.5662, 0.4372,
0.4397


 114.0056, 0.4098,
0.4167

 34.2755, 0.4495,
0.4495


 144.6224, 0.4029,
0.4108

 23.1053, 0.4636,
0.4603


 180.2818, 0.3969,
0.4055

 14.6713, 0.4793,
0.4716

 221.3680, 0.3916,
0.4009

 8.5890, 0.5005,
0.4860

268.2656, 0.3869,
0.3968

 4.4741, 0.5121,
0.4879

321.3589, 0.3828,

 1.9422, 0.5199,

0.3931

0.4801

381.0322, 0.3790,
0.3898

■ 0.5735, 0.5464,
0.4536

■ 0.0000, 0.0000,
0.0000

■ 66.3619, 0.4267,
0.4310

■ 66.3619, 0.4267,
0.4310

■ 62.1079, 0.4466,
0.4423

■ 70.9817, 0.4059,
0.4164

■ 58.1922, 0.4645,
0.4492


■ 75.9735, 0.3850,
0.3997

■ 54.5973, 0.4794,
0.4510

■ 81.3551, 0.3649,
0.3818

■ 51.2922, 0.4913,
0.4481

■ 87.1399, 0.3460,
0.3637

 93.3404, 0.3285,
0.3460

99.9684, 0.3127,
0.3290

99.9938, 0.3127,
0.3290

Harmonies

Analogous

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



66.3619, 0.4542, 0.3820



66.3619, 0.4267, 0.4310



66.3619, 0.3699, 0.4594

Triad

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



66.3619, 0.4267, 0.4310



66.3619, 0.1998, 0.3090



66.3619, 0.3112, 0.2415

Complementary

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



66.3619, 0.4267, 0.4310



32.1504, 0.2087, 0.1940

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.



66.3619, 0.2465, 0.2216



66.3619, 0.4267, 0.4310



66.3619, 0.1884, 0.2524

Square

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



66.3619, 0.4267, 0.4310



66.3619, 0.2393, 0.3840



66.3619, 0.2043, 0.2241



66.3619, 0.3843, 0.2793

Rectangle

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



66.3619, 0.4267, 0.4310



66.3619, 0.3243, 0.4555



66.3619, 0.2043, 0.2241



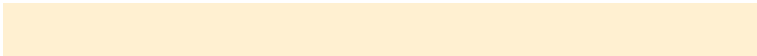
66.3619, 0.2877, 0.2326

Sweetspot

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



66.3651, 0.4267, 0.4310



88.3741, 0.3423, 0.3601



33.0513, 0.4363, 0.2788



18.5410, 0.3476, 0.3653



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.



66.3651, 0.4267, 0.4310



61.3171, 0.4503, 0.4440



89.1933, 0.3799, 0.4799



20.0531, 0.3277, 0.3451



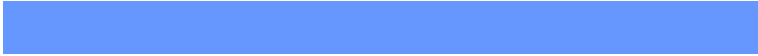
27.0906, 0.4899, 0.4492



2.8352, 0.4798, 0.4572

Inverse Universe

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



32.1504, 0.2087, 0.1940



24.5774, 0.1898, 0.1627



21.2650, 0.2109, 0.1419



18.3263, 0.2979, 0.3124



7.1302, 0.1623, 0.1041



0.8817, 0.1684, 0.1263

Previews

White Background



This preview shows how the Yxy color 66.3619, 0.4267, 0.4310 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 66.3619, 0.4267, 0.4310 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 66.3619, 0.4267, 0.4310

Background



This preview shows how black text looks on a background with the Yxy color 66.3619, 0.4267, 0.4310.



This preview shows how white text looks on a background with the Yxy color 66.3619, 0.4267, 0.4310.

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

66.3619, 0.4267, 0.4310

Protanopia

66.4208, 0.4059, 0.4428

Deuteranopia

66.5343, 0.4090, 0.4055



Tritanopia

66.3013, 0.3491, 0.3168

Trichromacy



Original Color

66.3619, 0.4267, 0.4310

Protanomaly

66.1271, 0.4139, 0.4383

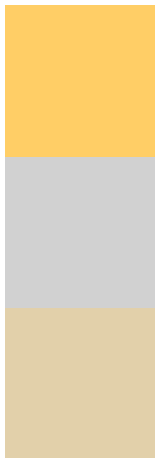
Deuteranomaly

66.2787, 0.4159, 0.4148

Tritanomaly

65.9736, 0.3796, 0.3604

Monochromacy



Original Color

66.3619, 0.4267, 0.4310

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.1828, 0.3545, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3619, 0.4267, 0.4310 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, 206, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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, 206, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 102) }
```

Border

The CSS property to change the border of an element to Yxy 66.3619, 0.4267, 0.4310 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, 206, 102) }
```

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

```
.border{ border-color:rgb(255, 206, 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, 206, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3619, 0.4267, 0.4310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 102) }
```

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

```
.background{ background-color: rgb(255,  
206, 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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