

Converting Colors

$Y_{xy}(60.3378, 0.4295, 0.4165)$

Have a look what the booklet for
Yxy(60.3378, 0.4295, 0.4165)
contains.

Yxy(60.3406, 0.4291, 0.4170)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(60.3406, 0.4291, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	FCC26B
RGB	252, 194, 107
RGB Percent	99%, 76%, 42%
CMY	0.0117, 0.2392, 0.5806
CMYK	0.00, 0.23, 0.58, 0.01
HSL	36°, 96%, 70%
HSV	36°, 58%, 99%
XYZ	62.0915, 60.3406, 22.2696
YIQ	201.4240, 62.4950, -14.7610

Conversions

Conversions Part 2

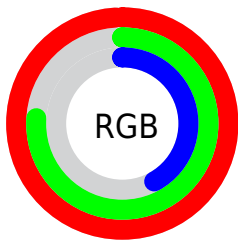
Format	Color
RYB	204, 252, 107
Decimal	16564843
CIELab	82.02, 11.33, 51.17
CIELCh	82, 52.408, 77.512
Yxy	60.3406, 0.4291, 0.4170
Android (android.graphics.Color)	4294754923 (0xFFFC26B)
YUV	201.4240, -46.5510, 44.3552
Hunter-Lab	77.6792, 6.7422, 37.3778

Details

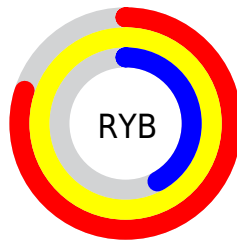
The Yxy color **60.3406, 0.4291, 0.4170** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.0462, 0.2163, 0.2161**, and the grayscale version is **58.9507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1693, 0.3705, 0.4177**, and **30.5417, 0.4538, 0.4334** is the 20% darker color. If you saturate the color by 10%, you get **55.5536, 0.4526, 0.4277**, and if you desaturate by 10%, it is **65.5922, 0.4055, 0.4034**.

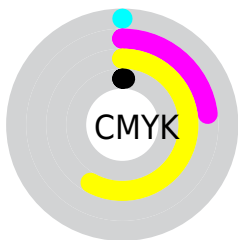
Distribution



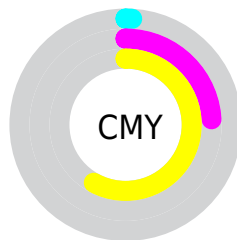
- Red (99%)
- Green (76%)
- Blue (42%)



- Red (80%)
- Yellow (99%)
- Blue (42%)



- Cyan (0%)
- Magenta (23%)
- Yellow (58%)
- Black (1%)




- Cyan (1%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3406, 0.4291, 0.4170 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 60.3406, 0.4291, 0.4170 by changing the saturation by 10% instead.


 60.3406, 0.4291,
0.4170


 60.3406, 0.4291,
0.4170


425.8521, 0.3752,
0.3786

 43.6932, 0.4408,
0.4246


 105.3236, 0.4108,
0.4045

 30.4294, 0.4547,
0.4331


 134.4280, 0.4035,
0.3994

 20.1647, 0.4712,
0.4425

 168.4535, 0.3972,
0.3949

 12.5149, 0.4907,
0.4520

 207.7846, 0.3916,
0.3909

 7.0953, 0.5175,
0.4640

252.8056, 0.3868,
0.3873

 3.5218, 0.5374,
0.4626

303.9009, 0.3825,

 1.4098, 0.5543,

0.3841

0.4457

361.4549, 0.3786,
0.3812

0.2240, 0.6861,
0.3139

0.0000, 0.0000,
0.0000

60.3406, 0.4291,
0.4170

60.3406, 0.4291,
0.4170

55.5536, 0.4526,
0.4277

65.5922, 0.4055,
0.4034

51.2025, 0.4747,
0.4342

71.3176, 0.3828,
0.3881

47.2678, 0.4942,
0.4356

77.5364, 0.3616,
0.3720

43.7216, 0.5102,
0.4316

84.2640, 0.3421,
0.3559

42.9074, 0.5139,
0.4302

91.5152, 0.3247,
0.3403

99.0989, 0.3109,
0.3285

99.4376, 0.3109,
0.3290

Harmonies

Analogous

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



60.3406, 0.4465, 0.3691



60.3406, 0.4291, 0.4170



60.3406, 0.3805, 0.4488

Triad

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



60.3406, 0.4291, 0.4170



60.3406, 0.2119, 0.3253



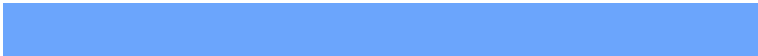
60.3406, 0.2969, 0.2403

Complementary

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



60.3406, 0.4291, 0.4170



37.0462, 0.2163, 0.2161

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.



60.3406, 0.2395, 0.2258



60.3406, 0.4291, 0.4170



60.3406, 0.1949, 0.2666

Square

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



60.3406, 0.4291, 0.4170



60.3406, 0.2551, 0.3953



60.3406, 0.2045, 0.2335



60.3406, 0.3657, 0.2731

Rectangle

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



60.3406, 0.4291, 0.4170



60.3406, 0.3386, 0.4509



60.3406, 0.2045, 0.2335



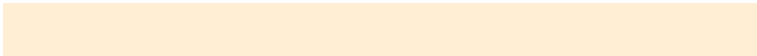
60.3406, 0.2757, 0.2332

Sweetspot

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



60.3435, 0.4291, 0.4170



86.9502, 0.3411, 0.3550



33.9181, 0.4159, 0.2703



18.3032, 0.3449, 0.3582



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.



60.3435, 0.4291, 0.4170



56.3734, 0.4560, 0.4289



88.7800, 0.3848, 0.4709



18.9580, 0.3279, 0.3432



22.6451, 0.5119, 0.4318



2.3047, 0.4978, 0.4430

Inverse Universe

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



37.0462, 0.2163, 0.2161



30.5088, 0.1988, 0.1890



21.6318, 0.2093, 0.1471



17.7821, 0.2979, 0.3144



8.7555, 0.1683, 0.1260



1.0120, 0.1749, 0.1494

Previews

White Background



This preview shows how the Yxy color 60.3406, 0.4291, 0.4170 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 60.3406, 0.4291, 0.4170 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 60.3406, 0.4291, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 60.3406, 0.4291, 0.4170.



This preview shows how white text looks on a background with the Yxy color 60.3406, 0.4291, 0.4170.

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

60.3406, 0.4291, 0.4170

Protanopia

60.3410, 0.3976, 0.4322

Deuteranopia

60.6010, 0.4276, 0.4182



Tritanopia

60.4550, 0.3614, 0.3167

Trichromacy



Original Color

60.3406, 0.4291, 0.4170

Protanomaly

60.0965, 0.4090, 0.4258

Deuteranomaly

60.6010, 0.4276, 0.4182

Tritanomaly

60.1826, 0.3879, 0.3545

Monochromacy



Original Color

60.3406, 0.4291, 0.4170

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.3938, 0.3545, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3406, 0.4291, 0.4170 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, 194, 107)` looks like.

```
.text, #text, p{  
    color:rgb(252, 194, 107)  
}
```

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, 194, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 194, 107) }
```

Border

The CSS property to change the border of an element to Yxy 60.3406, 0.4291, 0.4170 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, 194, 107) }
```

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

```
.border{ border-color:rgb(252, 194, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 194, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 194, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 194, 107);  
box-shadow:4px 4px 4px 4px rgb(252, 194,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3406, 0.4291, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 194, 107) }
```

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

```
.background{ background-color: rgb(252,  
194, 107) }
```

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