

Converting Colors

$Y_{xy}(61.9276, 0.4296, 0.4176)$

Have a look what the booklet for
Yxy(61.9276, 0.4296, 0.4176)
contains.

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Color

Yxy(61.8226, 0.4295, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	FFC46C
RGB	255, 196, 108
RGB Percent	100%, 77%, 42%
CMY	0.0001, 0.2313, 0.5766
CMYK	0.00, 0.23, 0.58, 0.00
HSL	36°, 100%, 71%
HSV	36°, 58%, 100%
XYZ	63.6758, 61.8226, 22.7572
YIQ	203.6090, 63.4120, -14.8600

Conversions

Conversions Part 2

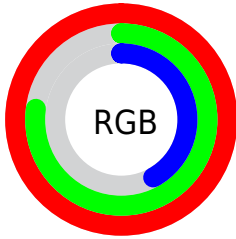
Format	Color
R_{YB}	207, 255, 108
Decimal	16761964
CIE _{Lab}	82.82, 11.56, 51.69
CIE _{LCh}	83, 52.964, 77.393
Yxy	61.8226, 0.4295, 0.4170
Android (android.graphics.Color)	4294952044 (0xFFFFC46C)
YUV	203.6090, -47.1352, 45.0699
Hunter-Lab	78.6273, 6.9591, 37.8787

Details

The Yxy color **61.8226, 0.4295, 0.4170** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.0116, 0.2161, 0.2160**, and the grayscale version is **60.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4540, 0.3693, 0.4184**, and **31.2435, 0.4551, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **56.9029, 0.4530, 0.4276**, and if you desaturate by 10%, it is **67.2213, 0.4059, 0.4034**.

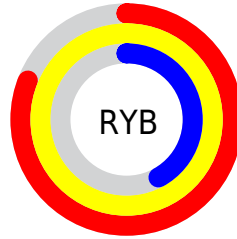
Distribution



Red (100%)

Green (77%)

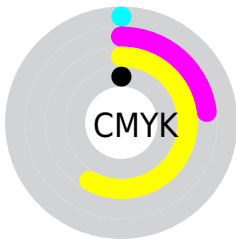
Blue (42%)



Red (81%)

Yellow (100%)

Blue (42%)

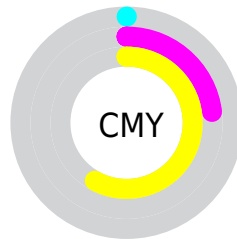


Cyan (0%)

Magenta (23%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.8226, 0.4295, 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 61.8226, 0.4295, 0.4170 by changing the saturation by 10% instead.


 61.8226, 0.4295,
0.4170

 61.8226, 0.4295,
0.4170


431.2837, 0.3756,
0.3788


 44.8894, 0.4411,
0.4245


 107.4691, 0.4112,
0.4046

 31.3703, 0.4549,
0.4329

 136.9512, 0.4040,
0.3995

 20.8810, 0.4713,
0.4421


 171.3849, 0.3977,
0.3950

 13.0370, 0.4906,
0.4515

 211.1549, 0.3921,
0.3910

 7.4541, 0.5162,
0.4626

256.6453, 0.3873,
0.3875

 3.7476, 0.5373,
0.4627

308.2407, 0.3829,

 1.5334, 0.5538,

0.3843

0.4462

366.3253, 0.3791,
0.3814

■ 0.3121, 0.6497,
0.3503

■ 0.0000, 0.0000,
0.0000

■ 61.8226, 0.4295,
0.4170

■ 61.8226, 0.4295,
0.4170

■ 56.9029, 0.4530,
0.4276

■ 67.2213, 0.4059,
0.4034

■ 52.4328, 0.4752,
0.4340

■ 73.1086, 0.3831,
0.3881

■ 48.3919, 0.4948,
0.4353

■ 79.5046, 0.3618,
0.3721

■ 44.7515, 0.5108,
0.4313

■ 86.4255, 0.3423,
0.3560

43.9456, 0.5143,
0.4299

93.8864, 0.3248,
0.3404

99.9931, 0.3127,
0.3290

Harmonies

Analogous

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



61.8226, 0.4468, 0.3689



61.8226, 0.4295, 0.4170



61.8226, 0.3809, 0.4490

Triad

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



61.8226, 0.4295, 0.4170



61.8226, 0.2118, 0.3255



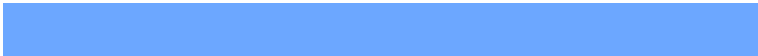
61.8226, 0.2966, 0.2400

Complementary

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



61.8226, 0.4295, 0.4170



38.0116, 0.2161, 0.2160

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.



61.8226, 0.2392, 0.2255



61.8226, 0.4295, 0.4170



61.8226, 0.1947, 0.2666

Square

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



61.8226, 0.4295, 0.4170



61.8226, 0.2552, 0.3958



61.8226, 0.2042, 0.2333



61.8226, 0.3656, 0.2728

Rectangle

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



61.8226, 0.4295, 0.4170



61.8226, 0.3389, 0.4513



61.8226, 0.2042, 0.2333



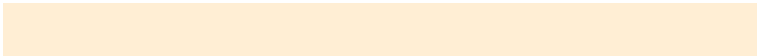
61.8226, 0.2754, 0.2329

Sweetspot

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



61.8256, 0.4295, 0.4170



86.9221, 0.3411, 0.3549



34.8463, 0.4131, 0.2677



18.2965, 0.3449, 0.3581



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.



61.8256, 0.4295, 0.4170



56.2916, 0.4561, 0.4287



91.5828, 0.3867, 0.4702



19.7970, 0.3279, 0.3432



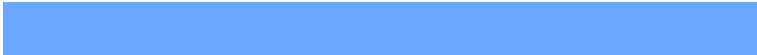
23.2702, 0.5123, 0.4314



2.4798, 0.4988, 0.4422

Inverse Universe

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



38.0116, 0.2161, 0.2160



30.5711, 0.1989, 0.1893



21.9473, 0.2075, 0.1460



18.5732, 0.2979, 0.3144



9.0370, 0.1684, 0.1261



1.0869, 0.1746, 0.1485

Previews

White Background



This preview shows how the Yxy color 61.8226, 0.4295, 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 61.8226, 0.4295, 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 61.8226, 0.4295, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 61.8226, 0.4295, 0.4170.



This preview shows how white text looks on a background with the Yxy color 61.8226, 0.4295, 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

61.8226, 0.4295, 0.4170

Protanopia

62.1264, 0.3970, 0.4333

Deuteranopia

61.8979, 0.4272, 0.4186



Tritanopia

61.8722, 0.3582, 0.3167

Trichromacy



Original Color

61.8226, 0.4295, 0.4170

Protanomaly

61.8641, 0.4083, 0.4270

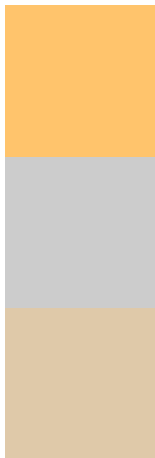
Deuteranomaly

62.0860, 0.4281, 0.4182

Tritanomaly

61.7493, 0.3860, 0.3554

Monochromacy



Original Color

61.8226, 0.4295, 0.4170

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

60.3258, 0.3546, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8226, 0.4295, 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(255, 196, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 108)  
}
```

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, 196, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 108) }
```

Border

The CSS property to change the border of an element to Yxy 61.8226, 0.4295, 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(255, 196, 108) }
```

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

```
.border{ border-color:rgb(255, 196, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 196, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8226, 0.4295, 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(255, 196, 108) }
```

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

```
.background{ background-color: rgb(255,  
196, 108) }
```

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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