

Converting Colors

$Y_{xy}(61.9479, 0.4321, 0.4212)$

Have a look what the booklet for
Yxy(61.9479, 0.4321, 0.4212)
contains.

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Color

Yxy(62.1920, 0.4315, 0.4212)

Conversions

Conversions Part 1

Format	Color
Hex	FFC568
RGB	255, 197, 104
RGB Percent	100%, 77%, 41%
CMY	0.0000, 0.2275, 0.5920
CMYK	0.00, 0.23, 0.59, 0.00
HSL	37°, 100%, 70%
HSV	37°, 59%, 100%
XYZ	63.7128, 62.1920, 21.7495
YIQ	203.7400, 64.4210, -16.6270

Conversions

Conversions Part 2

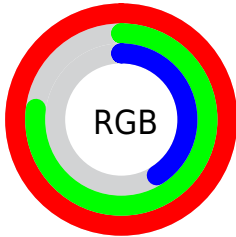
Format	Color
R_{YB}	198, 255, 104
Decimal	16762216
CIE _{Lab}	83.02, 10.80, 53.80
CIE _{LCh}	83, 54.877, 78.652
Yxy	62.1920, 0.4315, 0.4212
Android (android.graphics.Color)	4294952296 (0xFFFFC568)
YUV	203.7400, -49.1718, 44.9550
Hunter-Lab	78.8619, 6.2025, 38.8516

Details

The Yxy color **62.1920, 0.4315, 0.4212** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.0167, 0.2129, 0.2090**, and the grayscale version is **60.4959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6122, 0.3704, 0.4229**, and **31.4950, 0.4574, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **57.4423, 0.4542, 0.4316**, and if you desaturate by 10%, it is **67.3842, 0.4084, 0.4077**.

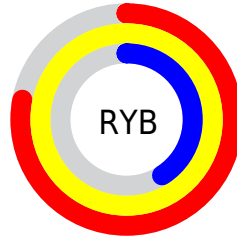
Distribution



Red (100%)

Green (77%)

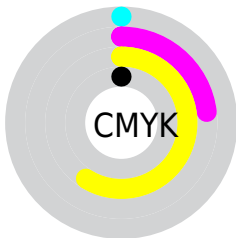
Blue (41%)



Red (78%)

Yellow (100%)

Blue (41%)

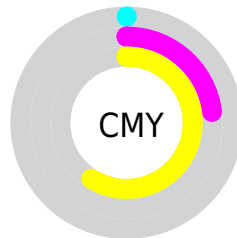


Cyan (0%)

Magenta (23%)

Yellow (59%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1920, 0.4315, 0.4212 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 62.1920, 0.4315, 0.4212 by changing the saturation by 10% instead.


 62.1920, 0.4315,
0.4212


 62.1920, 0.4315,
0.4212


432.6311, 0.3770,
0.3813


 45.1879, 0.4431,
0.4290


 108.0030, 0.4131,
0.4083


 31.6054, 0.4568,
0.4376


 137.5786, 0.4058,
0.4030

 21.0603, 0.4729,
0.4471


 172.1135, 0.3994,
0.3983

 13.1681, 0.4915,
0.4565

 211.9921, 0.3938,
0.3941

 7.5444, 0.5176,
0.4689

257.5987, 0.3889,
0.3904

 3.8048, 0.5339,
0.4661

309.3179, 0.3845,

 1.5650, 0.5493,

0.3871

0.4507

367.5339, 0.3806,
0.3840

0.3338, 0.6351,
0.3649

0.0000, 0.0000,
0.0000

62.1920, 0.4315,
0.4212

62.1920, 0.4315,
0.4212

57.4423, 0.4542,
0.4316

67.3842, 0.4084,
0.4077

53.1201, 0.4752,
0.4376

73.0420, 0.3859,
0.3922

49.2006, 0.4934,
0.4384

79.1803, 0.3646,
0.3758

45.6520, 0.5083,
0.4342

85.8147, 0.3451,
0.3592

45.3831, 0.5094,
0.4337

92.9597, 0.3274,
0.3431

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.



62.1920, 0.4514, 0.3718



62.1920, 0.4315, 0.4212



62.1920, 0.3802, 0.4537

Triad

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



62.1920, 0.4315, 0.4212



62.1920, 0.2074, 0.3222



62.1920, 0.2988, 0.2385

Complementary

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



62.1920, 0.4315, 0.4212



36.0167, 0.2129, 0.2090

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.



62.1920, 0.2389, 0.2227



62.1920, 0.4315, 0.4212



62.1920, 0.1911, 0.2624

Square

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



62.1920, 0.4315, 0.4212



62.1920, 0.2508, 0.3953



62.1920, 0.2020, 0.2295



62.1920, 0.3702, 0.2728

Rectangle

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



62.1920, 0.4315, 0.4212



62.1920, 0.3366, 0.4552



62.1920, 0.2020, 0.2295



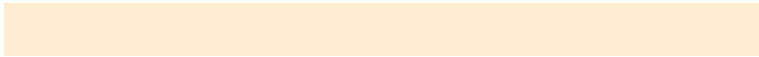
62.1920, 0.2767, 0.2309

Sweetspot

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



62.1904, 0.4315, 0.4212



86.6483, 0.3429, 0.3573



33.8615, 0.4206, 0.2690



18.1181, 0.3483, 0.3620



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.



62.1904, 0.4315, 0.4212



56.6358, 0.4581, 0.4330



91.0283, 0.3864, 0.4742



19.8498, 0.3279, 0.3436



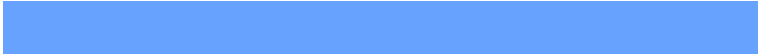
24.0117, 0.5075, 0.4352



2.5496, 0.4947, 0.4454

Inverse Universe

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



36.0167, 0.2129, 0.2090



28.4725, 0.1951, 0.1805



21.0569, 0.2059, 0.1416



18.5219, 0.2979, 0.3140



8.6010, 0.1670, 0.1213



1.0411, 0.1733, 0.1437

Previews

White Background



This preview shows how the Yxy color 62.1920, 0.4315, 0.4212 looks on a white background.

Color Contrast Check

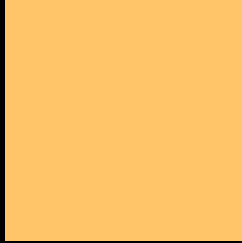
Large Text (above 18pt) WCAG AA × Fail

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 62.1920, 0.4315, 0.4212 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 62.1920, 0.4315, 0.4212

Background



This preview shows how black text looks on a background with the Yxy color 62.1920, 0.4315, 0.4212.



This preview shows how white text looks on a background with the Yxy color 62.1920, 0.4315, 0.4212.

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

62.1920, 0.4315, 0.4212

Protanopia

62.1812, 0.4010, 0.4377

Deuteranopia

62.1920, 0.4315, 0.4212



Tritanopia

62.3040, 0.3580, 0.3177

Trichromacy



Original Color

62.1920, 0.4315, 0.4212

Protanomaly

61.9296, 0.4123, 0.4312

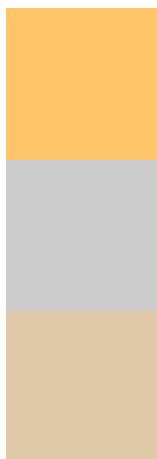
Deuteranomaly

62.1920, 0.4315, 0.4212

Tritanomaly

62.1531, 0.3864, 0.3575

Monochromacy



Original Color

62.1920, 0.4315, 0.4212

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

60.2884, 0.3554, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1920, 0.4315, 0.4212 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, 197, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 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(255, 197, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 104) }
```

Border

The CSS property to change the border of an element to Yxy 62.1920, 0.4315, 0.4212 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, 197, 104) }
```

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

```
.border{ border-color:rgb(255, 197, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1920, 0.4315, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 104) }
```

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

```
.background{ background-color: rgb(255,  
197, 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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