

Converting Colors

$Y_{xy}(76.4735, 0.4693, 0.3964)$

Have a look what the booklet for
Yxy(76.4735, 0.4693, 0.3964)
contains.

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Color

Yxy(63.3218, 0.4236, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	FFC772
RGB	255, 199, 114
RGB Percent	100%, 78%, 45%
CMY	0.0000, 0.2196, 0.5529
CMYK	0.00, 0.22, 0.55, 0.00
HSL	36°, 100%, 72%
HSV	36°, 55%, 100%
XYZ	64.7120, 63.3218, 24.7329
YIQ	206.0540, 60.6610, -14.5630

Conversions

Conversions Part 2

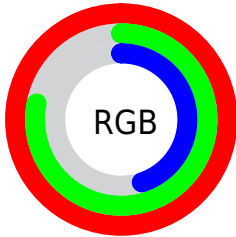
Format	Color
R_{YB}	207, 255, 114
Decimal	16762738
CIE _{Lab}	83.61, 10.50, 49.71
CIE _{LCh}	84, 50.811, 78.068
Yxy	63.3218, 0.4236, 0.4145
Android (android.graphics.Color)	4294952818 (0xFFFFC772)
YUV	206.0540, -45.3826, 42.9256
Hunter-Lab	79.5750, 5.9035, 37.2744

Details

The Yxy color **63.3218, 0.4236, 0.4145** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.5542, 0.2198, 0.2209**, and the grayscale version is **62.0206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **32.2118, 0.4477, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **58.3080, 0.4471, 0.4260**, and if you desaturate by 10%, it is **68.7988, 0.4002, 0.4004**.

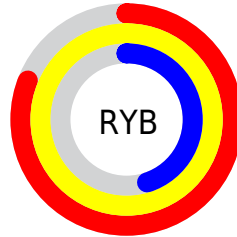
Distribution



Red (100%)

Green (78%)

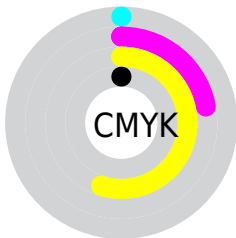
Blue (45%)



Red (81%)

Yellow (100%)

Blue (45%)

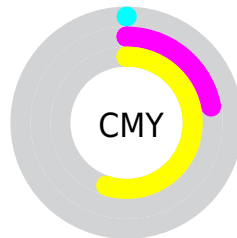


Cyan (0%)

Magenta (22%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.3218, 0.4236, 0.4145 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 63.3218, 0.4236, 0.4145 by changing the saturation by 10% instead.


 63.3218, 0.4236,
0.4145

 63.3218, 0.4236,
0.4145


436.7364, 0.3725,
0.3772


 46.1016, 0.4347,
0.4220


 109.6336, 0.4062,
0.4023

 32.3260, 0.4479,
0.4305


 139.4941, 0.3993,
0.3973

 21.6106, 0.4637,
0.4400


 174.3367, 0.3934,
0.3929

 13.5711, 0.4825,
0.4501

214.5459, 0.3881,
0.3890

 7.8230, 0.5055,
0.4606

260.5060, 0.3835,
0.3856

 3.9819, 0.5320,
0.4680

312.6016, 0.3794,

 1.6634, 0.5465,

0.3825

0.4535

371.2169, 0.3758,
0.3797

0.3998, 0.6142,
0.3858

0.0000, 0.0000,
0.0000

63.3218, 0.4236,
0.4145

63.3218, 0.4236,
0.4145

58.3080, 0.4471,
0.4260

68.7988, 0.4002,
0.4004

53.7510, 0.4695,
0.4336

74.7705, 0.3778,
0.3847

49.6240, 0.4896,
0.4362

81.2492, 0.3570,
0.3685

45.9008, 0.5063,
0.4335

88.2505, 0.3380,
0.3524

44.2721, 0.5132,
0.4307

95.7891, 0.3210,
0.3369

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.



63.3218, 0.4406, 0.3689



63.3218, 0.4236, 0.4145



63.3218, 0.3770, 0.4437

Triad

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



63.3218, 0.4236, 0.4145



63.3218, 0.2156, 0.3245



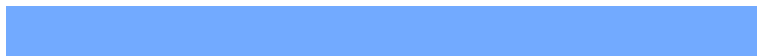
63.3218, 0.2990, 0.2442

Complementary

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



63.3218, 0.4236, 0.4145



39.5542, 0.2198, 0.2209

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.



63.3218, 0.2435, 0.2299



63.3218, 0.4236, 0.4145



63.3218, 0.1996, 0.2688

Square

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



63.3218, 0.4236, 0.4145



63.3218, 0.2569, 0.3909



63.3218, 0.2093, 0.2371



63.3218, 0.3646, 0.2761

Rectangle

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



63.3218, 0.4236, 0.4145



63.3218, 0.3367, 0.4447



63.3218, 0.2093, 0.2371



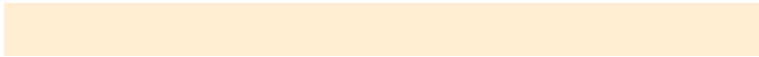
63.3218, 0.2786, 0.2373

Sweetspot

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



63.3173, 0.4236, 0.4145



87.0162, 0.3411, 0.3551



36.2141, 0.4098, 0.2721



18.3188, 0.3448, 0.3583



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.



63.3173, 0.4236, 0.4145



57.9702, 0.4487, 0.4267



91.4184, 0.3827, 0.4663



19.8087, 0.3279, 0.3433



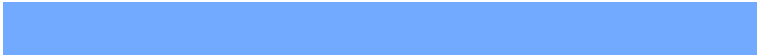
23.4330, 0.5112, 0.4323



2.4952, 0.4979, 0.4429

Inverse Universe

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



39.5542, 0.2198, 0.2209



32.1975, 0.2030, 0.1955



23.8540, 0.2138, 0.1546



18.5618, 0.2979, 0.3143



8.9381, 0.1681, 0.1250



1.0766, 0.1743, 0.1474

Previews

White Background



This preview shows how the Yxy color 63.3218, 0.4236, 0.4145 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 63.3218, 0.4236, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

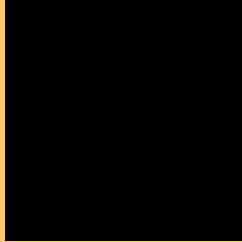
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3218, 0.4236, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 63.3218, 0.4236, 0.4145.



This preview shows how white text looks on a background with the Yxy color 63.3218, 0.4236, 0.4145.

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

63.3218, 0.4236, 0.4145

Protanopia

63.5433, 0.3944, 0.4297

Deuteranopia

63.3447, 0.4229, 0.4136



Tritanopia

63.3189, 0.3551, 0.3167

Trichromacy



Original Color

63.3218, 0.4236, 0.4145

Protanomaly

63.1007, 0.4047, 0.4239

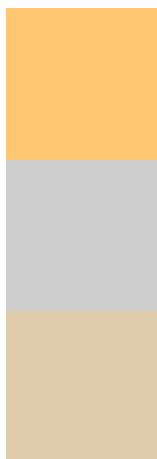
Deuteranomaly

63.3447, 0.4229, 0.4136

Tritanomaly

63.2305, 0.3816, 0.3543

Monochromacy



Original Color

63.3218, 0.4236, 0.4145

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

61.5763, 0.3519, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3218, 0.4236, 0.4145 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, 199, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 114)  
}
```

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, 199, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 114) }
```

Border

The CSS property to change the border of an element to Yxy 63.3218, 0.4236, 0.4145 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, 199, 114) }
```

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

```
.border{ border-color:rgb(255, 199, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3218, 0.4236, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 114) }
```

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

```
.background{ background-color: rgb(255,  
199, 114) }
```

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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