

Converting Colors

$Y_{xy}(95.5651, 0.4771, 0.3500)$

Have a look what the booklet for
Yxy(95.5651, 0.4771, 0.3500)
contains.

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Color

Yxy(63.4565, 0.3862, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	FFC4A5
RGB	255, 196, 165
RGB Percent	100%, 77%, 65%
CMY	0.0000, 0.2314, 0.3531
CMYK	0.00, 0.23, 0.35, 0.00
HSL	21°, 100%, 82%
HSV	21°, 35%, 100%
XYZ	67.7735, 63.4565, 44.2581
YIQ	210.1070, 45.1150, 2.8670

Conversions

Conversions Part 2

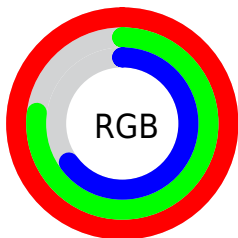
Format	Color
R _Y B	255, 212, 165
Decimal	16762021
CIE Lab	83.68, 17.03, 23.71
CIE LCh	84, 29.195, 54.315
Yxy	63.4565, 0.3862, 0.3616
Android (android.graphics.Color)	4294952101 (0xFFFFC4A5)
YUV	210.1070, -22.2378, 39.3712
Hunter-Lab	79.6596, 12.4616, 22.8208

Details

The Yxy color **63.4565, 0.3862, 0.3616** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.5095, 0.2580, 0.2936**, and the grayscale version is **64.6470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6779, 0.3336, 0.3612**, and **32.4086, 0.4051, 0.3679** is the 20% darker color. If you saturate the color by 10%, you get **55.4953, 0.4150, 0.3708**, and if you desaturate by 10%, it is **72.4423, 0.3611, 0.3520**.

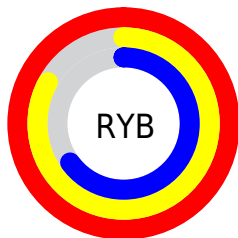
Distribution



Red (100%)

Green (77%)

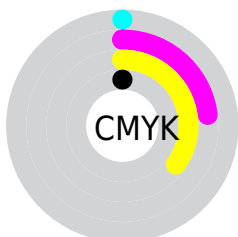
Blue (65%)



Red (100%)

Yellow (83%)

Blue (65%)

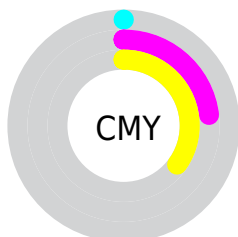


Cyan (0%)

Magenta (23%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (23%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4565, 0.3862, 0.3616 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 63.4565, 0.3862, 0.3616 by changing the saturation by 10% instead.


 63.4565, 0.3862,
0.3616

 63.4565, 0.3862,
0.3616

437.2243, 0.3511,
0.3472

 46.2106, 0.3944,
0.3646


 109.8278, 0.3738,
0.3568

 32.4121, 0.4047,
0.3682


 139.7221, 0.3691,
0.3549

 21.6764, 0.4178,
0.3725

174.6012, 0.3650,
0.3532

 13.6193, 0.4350,
0.3776

214.8497, 0.3615,
0.3517

 7.8564, 0.4586,
0.3835

260.8518, 0.3584,
0.3504

 4.0032, 0.4922,
0.3895

312.9920, 0.3557,

 1.6753, 0.5803,

0.3492

0.4197

371.6547, 0.3533,
0.3482

0.4076, 0.6633,
0.3367

0.0000, 0.0000,
0.0000

63.4565, 0.3862,
0.3616

63.4565, 0.3862,
0.3616

55.4953, 0.4150,
0.3708

72.4423, 0.3611,
0.3520

48.5204, 0.4474,
0.3788

82.4892, 0.3395,
0.3425

42.4906, 0.4822,
0.3845

93.6315, 0.3213,
0.3335

37.3616, 0.5174,
0.3866

100.0000, 0.3127,
0.3290

■ 33.0847, 0.5503,
0.3839

■ 29.6050, 0.5774,
0.3760

■ 28.2226, 0.5882,
0.3712

Harmonies

Analogous

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



63.4565, 0.3776, 0.3318



63.4565, 0.3862, 0.3616



63.4565, 0.3738, 0.3854

Triad

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



63.4565, 0.3862, 0.3616



63.4565, 0.2746, 0.3565



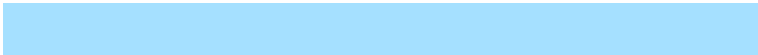
63.4565, 0.2784, 0.2696

Complementary

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



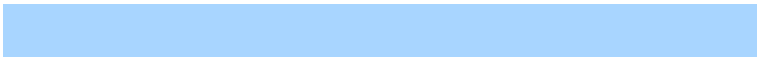
63.4565, 0.3862, 0.3616



68.5095, 0.2580, 0.2936

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.



63.4565, 0.2537, 0.2724



63.4565, 0.3862, 0.3616



63.4565, 0.2516, 0.3207

Square

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



63.4565, 0.3862, 0.3616



63.4565, 0.3086, 0.3849



63.4565, 0.2443, 0.2902



63.4565, 0.3135, 0.2807

Rectangle

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



63.4565, 0.3862, 0.3616



63.4565, 0.3559, 0.3940



63.4565, 0.2443, 0.2902



63.4565, 0.2687, 0.2689

Sweetspot

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



63.4564, 0.3862, 0.3616



87.1511, 0.3313, 0.3386



53.5948, 0.3417, 0.2682



18.3350, 0.3338, 0.3398



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.



63.4564, 0.3862, 0.3616



58.0163, 0.4051, 0.3679



86.2926, 0.3708, 0.4041



19.0107, 0.3286, 0.3373



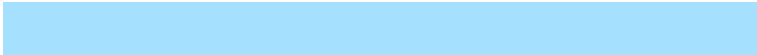
14.9963, 0.5852, 0.3736



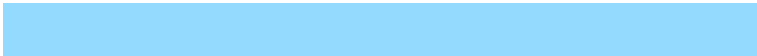
1.6545, 0.5634, 0.3909

Inverse Universe

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



68.5095, 0.2580, 0.2936



63.6925, 0.2481, 0.2856



47.8482, 0.2507, 0.2405



19.3653, 0.2980, 0.3206



18.5228, 0.1922, 0.2118



2.0074, 0.1963, 0.2267

Previews

White Background



This preview shows how the Yxy color 63.4565, 0.3862, 0.3616 looks on a white background.

Color Contrast Check

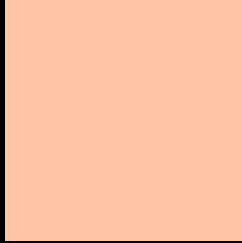
Large Text (above 18pt) WCAG AA × Fail

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 63.4565, 0.3862, 0.3616 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 63.4565, 0.3862, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 63.4565, 0.3862, 0.3616.



This preview shows how white text looks on a background with the Yxy color 63.4565, 0.3862, 0.3616.

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

63.4565, 0.3862, 0.3616

Protanopia

63.4242, 0.3497, 0.3714

Deuteranopia

63.6867, 0.3760, 0.3690



Tritanopia

63.3671, 0.3543, 0.3157

Trichromacy



Original Color

63.4565, 0.3862, 0.3616

Protanomaly

63.3739, 0.3621, 0.3680

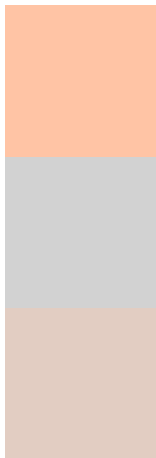
Deuteranomaly

63.4836, 0.3801, 0.3665

Tritanomaly

63.1176, 0.3664, 0.3323

Monochromacy



Original Color

63.4565, 0.3862, 0.3616

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

63.7264, 0.3371, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4565, 0.3862, 0.3616 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 165) }
```

Border

The CSS property to change the border of an element to Yxy 63.4565, 0.3862, 0.3616 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, 165) }
```

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

```
.border{ border-color:rgb(255, 196, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4565, 0.3862, 0.3616 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, 165) }
```

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

```
.background{ background-color: rgb(255,  
196, 165) }
```

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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