

Converting Colors

$Yxy(84.9873, 0.4407, 0.3458)$

Have a look what the booklet for
Yxy(84.9873, 0.4407, 0.3458)
contains.

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Color

Yxy(64.8225, 0.3757, 0.3511)

Conversions

Conversions Part 1

Format	Color
Hex	FFC6B1
RGB	255, 198, 177
RGB Percent	100%, 78%, 69%
CMY	0.0001, 0.2235, 0.3060
CMYK	0.00, 0.22, 0.31, 0.00
HSL	16°, 100%, 85%
HSV	16°, 31%, 100%
XYZ	69.3643, 64.8225, 50.4401
YIQ	212.6490, 40.7130, 5.5530

Conversions

Conversions Part 2

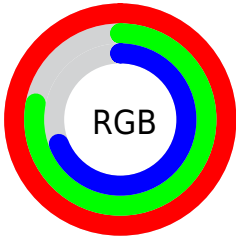
Format	Color
R _Y B	255, 206, 177
Decimal	16762545
CIE Lab	84.39, 17.44, 18.34
CIE LCh	84, 25.305, 46.442
Yxy	64.8225, 0.3757, 0.3511
Android (android.graphics.Color)	4294952625 (0xFFFFC6B1)
YUV	212.6490, -17.5750, 37.1418
Hunter-Lab	80.5124, 12.8874, 19.2142

Details

The Yxy color **64.8225, 0.3757, 0.3511** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.3824, 0.2659, 0.3056**, and the grayscale version is **66.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **33.2721, 0.3920, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **55.9046, 0.4044, 0.3586**, and if you desaturate by 10%, it is **74.9832, 0.3513, 0.3435**.

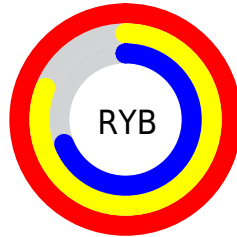
Distribution



Red (100%)

Green (78%)

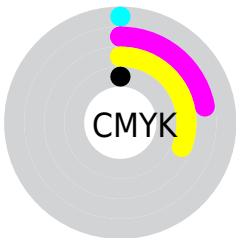
Blue (69%)



Red (100%)

Yellow (81%)

Blue (69%)

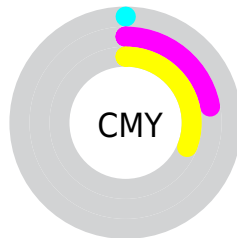


Cyan (0%)

Magenta (22%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8225, 0.3757, 0.3511 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 64.8225, 0.3757, 0.3511 by changing the saturation by 10% instead.

 64.8225, 0.3757,
0.3511

 64.8225, 0.3757,
0.3511

442.1538, 0.3457,
0.3414

 47.3172, 0.3828,
0.3531


 111.7946, 0.3651,
0.3479

 33.2865, 0.3916,
0.3555


142.0302, 0.3610,
0.3466

 22.3460, 0.4028,
0.3584


177.2780, 0.3576,
0.3455

 14.1113, 0.4178,
0.3619

217.9224, 0.3545,
0.3445

 8.1981, 0.4385,
0.3659

264.3478, 0.3519,
0.3436

 4.2220, 0.4686,
0.3702

316.9385, 0.3496,

 1.7985, 0.5249,

0.3428

0.3796

376.0791, 0.3475,
0.3421

0.4862, 0.6463,
0.3537

0.0000, 0.0000,
0.0000

64.8225, 0.3757,
0.3511

64.8225, 0.3757,
0.3511

55.9046, 0.4044,
0.3586

74.9832, 0.3513,
0.3435

48.1720, 0.4376,
0.3653

86.4234, 0.3308,
0.3362

41.5760, 0.4745,
0.3705

99.1892, 0.3136,
0.3294

36.0609, 0.5134,
0.3729

99.9973, 0.3127,
0.3290

■ 31.5658, 0.5511,
0.3714

■ 28.0229, 0.5835,
0.3654

■ 25.4835, 0.6066,
0.3566

Harmonies

Analogous

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



64.8225, 0.3636, 0.3248



64.8225, 0.3757, 0.3511



64.8225, 0.3698, 0.3735

Triad

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



64.8225, 0.3757, 0.3511



64.8225, 0.2870, 0.3600



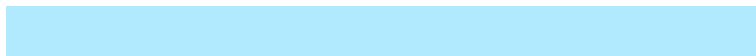
64.8225, 0.2764, 0.2768

Complementary

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



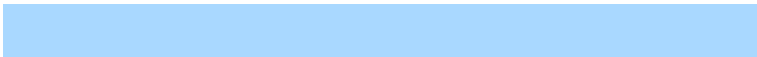
64.8225, 0.3757, 0.3511



75.3824, 0.2659, 0.3056

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.



64.8225, 0.2580, 0.2830



64.8225, 0.3757, 0.3511



64.8225, 0.2639, 0.3301

Square

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



64.8225, 0.3757, 0.3511



64.8225, 0.3178, 0.3807



64.8225, 0.2536, 0.3018



64.8225, 0.3051, 0.2834

Rectangle

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



64.8225, 0.3757, 0.3511



64.8225, 0.3568, 0.3829



64.8225, 0.2536, 0.3018



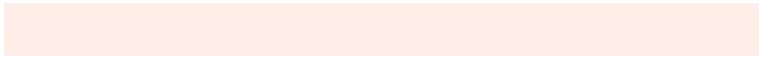
64.8225, 0.2689, 0.2774

Sweetspot

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



64.8255, 0.3757, 0.3511



88.3770, 0.3278, 0.3351



58.6450, 0.3326, 0.2715



18.5360, 0.3305, 0.3361



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.



64.8255, 0.3757, 0.3511



58.9770, 0.3936, 0.3559



84.8746, 0.3641, 0.3892



18.7838, 0.3288, 0.3355



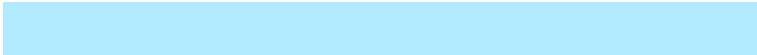
13.5265, 0.6037, 0.3588



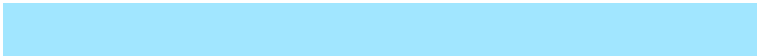
1.4884, 0.5818, 0.3763

Inverse Universe

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



75.3824, 0.2659, 0.3056



71.1093, 0.2567, 0.2999



55.6756, 0.2607, 0.2604



19.6041, 0.2980, 0.3224



22.4356, 0.1997, 0.2387



2.3654, 0.2029, 0.2503

Previews

White Background



This preview shows how the Yxy color 64.8225, 0.3757, 0.3511 looks on a white background.

Color Contrast Check

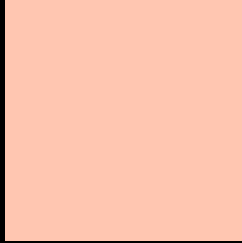
Large Text (above 18pt) WCAG AA × Fail

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 64.8225, 0.3757, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

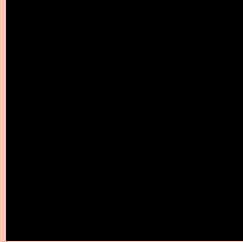
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.8225, 0.3757, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 64.8225, 0.3757, 0.3511.



This preview shows how white text looks on a background with the Yxy color 64.8225, 0.3757, 0.3511.

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

64.8225, 0.3757, 0.3511

Protanopia

64.8842, 0.3405, 0.3597

Deuteranopia

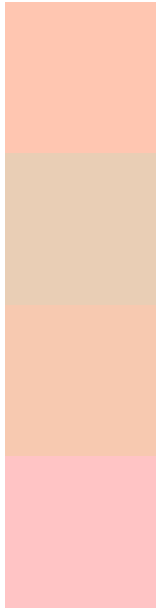
64.9011, 0.3652, 0.3582



Tritanopia

64.8937, 0.3505, 0.3147

Trichromacy



Original Color

64.8225, 0.3757, 0.3511

Protanomaly

64.8024, 0.3524, 0.3567

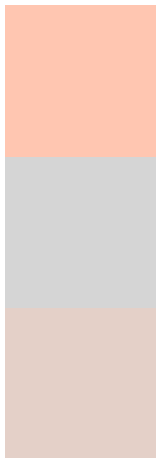
Deuteranomaly

64.6820, 0.3690, 0.3558

Tritanomaly

64.7711, 0.3600, 0.3281

Monochromacy



Original Color

64.8225, 0.3757, 0.3511

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.7759, 0.3338, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8225, 0.3757, 0.3511 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, 198, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 177)  
}
```

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, 198, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 177) }
```

Border

The CSS property to change the border of an element to Yxy 64.8225, 0.3757, 0.3511 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, 198, 177) }
```

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

```
.border{ border-color:rgb(255, 198, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 198, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 198, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 198, 177); box-shadow:4px 4px 4px 4px rgb(255, 198, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8225, 0.3757, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 177) }
```

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

```
.background{ background-color: rgb(255,  
198, 177) }
```

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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