

Converting Colors

$Y_{xy}(72.2580, 0.3690, 0.3315)$

Have a look what the booklet for
Yxy(72.2580, 0.3690, 0.3315)
contains.

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Color

Yxy(68.7100, 0.3542, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	FFCCCA
RGB	255, 204, 202
RGB Percent	100%, 80%, 79%
CMY	0.0002, 0.1999, 0.2078
CMYK	0.00, 0.20, 0.21, 0.00
HSL	2°, 100%, 90%
HSV	2°, 21%, 100%
XYZ	73.4815, 68.7100, 65.2662
YIQ	219.0210, 31.0380, 10.1900

Conversions

Conversions Part 2

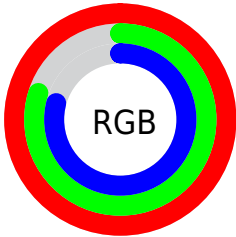
Format	Color
R _Y B	255, 204, 202
Decimal	16764106
CIE Lab	86.36, 17.69, 7.85
CIE LCh	86, 19.355, 23.933
Yxy	68.7100, 0.3542, 0.3312
Android (android.graphics.Color)	4294954186 (0xFFFFCCCA)
YUV	219.0210, -8.3914, 31.5536
Hunter-Lab	82.8915, 13.1763, 11.3409

Details

The Yxy color **68.7100, 0.3542, 0.3312** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.9828, 0.2815, 0.3268**, and the grayscale version is **70.8968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9566, 0.3649, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **56.8482, 0.3820, 0.3324**, and if you desaturate by 10%, it is **82.6128, 0.3319, 0.3301**.

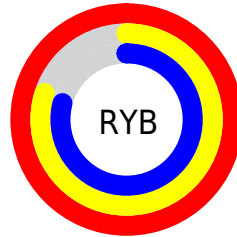
Distribution



Red (100%)

Green (80%)

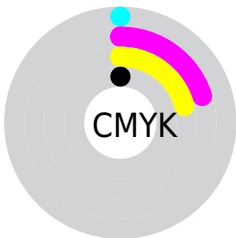
Blue (79%)



Red (100%)

Yellow (80%)

Blue (79%)

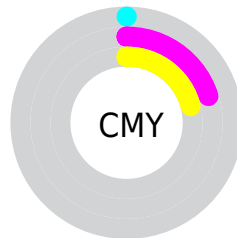


Cyan (0%)

Magenta (20%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7100, 0.3542, 0.3312 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 68.7100, 0.3542, 0.3312 by changing the saturation by 10% instead.

 68.7100, 0.3542,
0.3312

 68.7100, 0.3542,
0.3312


456.0075, 0.3346,
0.3305

 50.4756, 0.3588,
0.3313

117.3673, 0.3473,
0.3310

 35.7914, 0.3644,
0.3314


148.5589, 0.3447,
0.3309

 24.2731, 0.3717,
0.3314


184.8384, 0.3424,
0.3308

 15.5364, 0.3813,
0.3313

226.5901, 0.3405,
0.3307

 9.1967, 0.3946,
0.3311

274.1985, 0.3387,
0.3307

 4.8697, 0.4142,
0.3302

328.0479, 0.3372,

 2.1710, 0.4458,

0.3306

0.3278

388.5228, 0.3359,
0.3305

0.7041, 0.5504,
0.3434

0.0000, 1.0000,
0.0000

68.7100, 0.3542,
0.3312

68.7100, 0.3542,
0.3312

56.8482, 0.3820,
0.3324

82.6128, 0.3319,
0.3301

46.9226, 0.4160,
0.3335

98.6362, 0.3139,
0.3291

38.8331, 0.4565,
0.3344

99.9918, 0.3127,
0.3290

32.4673, 0.5023,
0.3351

■ 27.7000, 0.5498,
0.3351

■ 24.3895, 0.5926,
0.3343

■ 22.3690, 0.6234,
0.3327

■ 21.4632, 0.6382,
0.3314

Harmonies

Analogous

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



68.7100, 0.3368, 0.3118



68.7100, 0.3542, 0.3312



68.7100, 0.3600, 0.3509

Triad

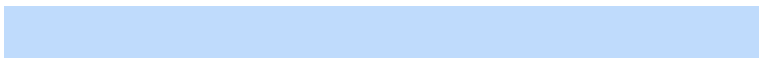
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7100, 0.3542, 0.3312



68.7100, 0.3108, 0.3644



68.7100, 0.2739, 0.2922

Complementary

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



68.7100, 0.3542, 0.3312



89.9828, 0.2815, 0.3268

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.



68.7100, 0.2676, 0.3045



68.7100, 0.3542, 0.3312



68.7100, 0.2884, 0.3469

Square

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



68.7100, 0.3542, 0.3312



68.7100, 0.3343, 0.3712



68.7100, 0.2728, 0.3245



68.7100, 0.2903, 0.2897

Rectangle

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



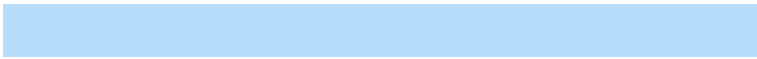
68.7100, 0.3542, 0.3312



68.7100, 0.3564, 0.3616



68.7100, 0.2728, 0.3245



68.7100, 0.2705, 0.2953

Sweetspot

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



68.7131, 0.3542, 0.3312



90.0212, 0.3228, 0.3296



70.5974, 0.3164, 0.2788



19.0459, 0.3240, 0.3297



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.



68.7131, 0.3542, 0.3312



63.4762, 0.3652, 0.3317



82.2457, 0.3489, 0.3576



18.0982, 0.3294, 0.3300



11.2674, 0.6374, 0.3321



1.1345, 0.6312, 0.3370

Inverse Universe

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



89.9828, 0.2815, 0.3268



88.3049, 0.2756, 0.3263



74.5556, 0.2796, 0.2987



20.3554, 0.2980, 0.3280



38.0305, 0.2214, 0.3170



3.7385, 0.2218, 0.3184

Previews

White Background



This preview shows how the Yxy color 68.7100, 0.3542, 0.3312 looks on a white background.

Color Contrast Check

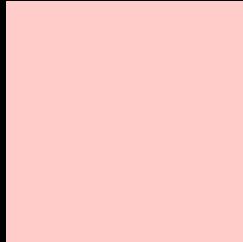
Large Text (above 18pt) WCAG AA × Fail

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 68.7100, 0.3542, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

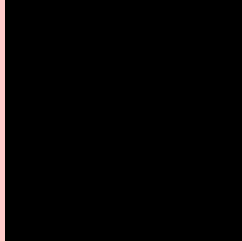
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7100, 0.3542, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 68.7100, 0.3542, 0.3312.

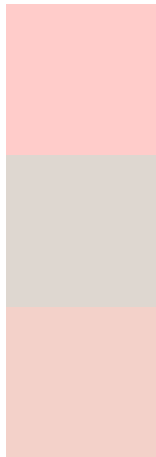


This preview shows how white text looks on a background with the Yxy color 68.7100, 0.3542, 0.3312.

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

68.7100, 0.3542, 0.3312

Protanopia

68.6845, 0.3227, 0.3368

Deuteranopia

68.8727, 0.3446, 0.3376



Tritanopia

68.5108, 0.3430, 0.3138

Trichromacy



Original Color

68.7100, 0.3542, 0.3312

Protanomaly

68.5372, 0.3336, 0.3345

Deuteranomaly

68.6169, 0.3481, 0.3354

Tritanomaly

68.7253, 0.3467, 0.3199

Monochromacy



Original Color

68.7100, 0.3542, 0.3312

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.0530, 0.3267, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7100, 0.3542, 0.3312 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, 204, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 202)  
}
```

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, 204, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 202) }
```

Border

The CSS property to change the border of an element to Yxy 68.7100, 0.3542, 0.3312 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, 204, 202) }
```

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

```
.border{ border-color:rgb(255, 204, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7100, 0.3542, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 202) }
```

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

```
.background{ background-color: rgb(255,  
204, 202) }
```

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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