

Converting Colors

$Y_{xy}(75.1613, 0.3895, 0.3309)$

Have a look what the booklet for
Yxy(75.1613, 0.3895, 0.3309)
contains.

Yxy(66.6458, 0.3582, 0.3312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.6458, 0.3582, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	FFC8C6
RGB	255, 200, 198
RGB Percent	100%, 78%, 78%
CMY	0.0001, 0.2156, 0.2235
CMYK	0.00, 0.22, 0.22, 0.00
HSL	2°, 100%, 89%
HSV	2°, 22%, 100%
XYZ	72.0789, 66.6458, 62.5006
YIQ	216.2170, 33.4220, 11.0380

Conversions

Conversions Part 2

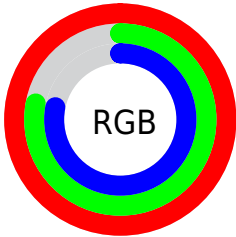
Format	Color
R _Y B	255, 200, 198
Decimal	16763078
CIE Lab	85.32, 19.22, 8.48
CIE LCh	85, 21.004, 23.819
Yxy	66.6458, 0.3582, 0.3312
Android (android.graphics.Color)	4294953158 (0xFFFFC8C6)
YUV	216.2170, -8.9810, 34.0127
Hunter-Lab	81.6369, 14.7368, 11.7539

Details

The Yxy color **66.6458, 0.3582, 0.3312** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **89.4523, 0.2793, 0.3268**, and the grayscale version is **68.8713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4417, 0.3694, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **55.0754, 0.3869, 0.3323**, and if you desaturate by 10%, it is **80.2536, 0.3350, 0.3302**.

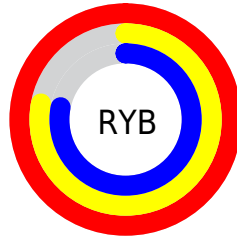
Distribution



Red (100%)

Green (78%)

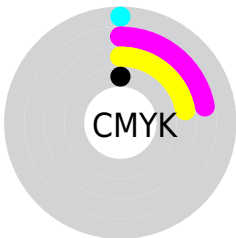
Blue (78%)



Red (100%)

Yellow (78%)

Blue (78%)

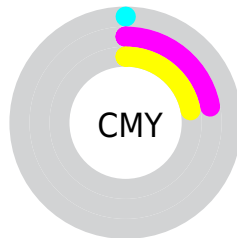


Cyan (0%)

Magenta (22%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6458, 0.3582, 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 66.6458, 0.3582, 0.3312 by changing the saturation by 10% instead.

 66.6458, 0.3582,
0.3312

 66.6458, 0.3582,
0.3312


448.6829, 0.3366,
0.3305

 48.7968, 0.3633,
0.3313


114.4127, 0.3506,
0.3310

 34.4583, 0.3696,
0.3313


145.0995, 0.3477,
0.3310

 23.2459, 0.3777,
0.3313

180.8343, 0.3452,
0.3309

 14.7752, 0.3884,
0.3311

222.0016, 0.3430,
0.3308

 8.6618, 0.4034,
0.3306

268.9857, 0.3411,
0.3307

 4.5212, 0.4256,
0.3293

322.1710, 0.3395,

 1.9692, 0.4616,

0.3307

381.9420, 0.3380,
0.3306

0.3258

0.5895, 0.6205,
0.3505

0.0000, 0.0000,
0.0000

66.6458, 0.3582,
0.3312

66.6458, 0.3582,
0.3312

55.0754, 0.3869,
0.3323

80.2536, 0.3350,
0.3302

45.4358, 0.4220,
0.3333

95.9805, 0.3165,
0.3292

37.6247, 0.4636,
0.3342

99.9932, 0.3127,
0.3290

31.5265, 0.5101,
0.3347

■ 27.0128, 0.5574,
0.3346

■ 23.9366, 0.5988,
0.3337

■ 22.1241, 0.6271,
0.3322

■ 21.4478, 0.6384,
0.3313

Harmonies

Analogous

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



66.6458, 0.3390, 0.3101



66.6458, 0.3582, 0.3312



66.6458, 0.3646, 0.3527

Triad

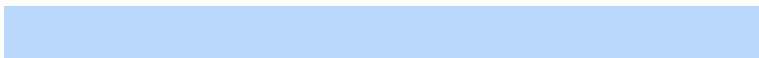
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.6458, 0.3582, 0.3312



66.6458, 0.3106, 0.3680



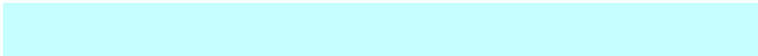
66.6458, 0.2702, 0.2887

Complementary

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



66.6458, 0.3582, 0.3312



89.4523, 0.2793, 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.



66.6458, 0.2634, 0.3022



66.6458, 0.3582, 0.3312



66.6458, 0.2861, 0.3487

Square

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



66.6458, 0.3582, 0.3312



66.6458, 0.3364, 0.3754



66.6458, 0.2691, 0.3241



66.6458, 0.2880, 0.2860

Rectangle

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



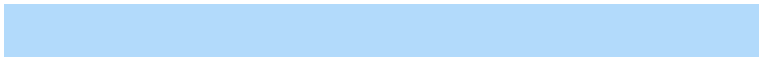
66.6458, 0.3582, 0.3312



66.6458, 0.3607, 0.3646



66.6458, 0.2691, 0.3241



66.6458, 0.2666, 0.2921

Sweetspot

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



66.6489, 0.3582, 0.3312



88.4029, 0.3246, 0.3297



68.7453, 0.3167, 0.2750



18.7186, 0.3258, 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.



66.6489, 0.3582, 0.3312



61.0224, 0.3708, 0.3317



81.0323, 0.3520, 0.3598



18.0893, 0.3294, 0.3299



11.2548, 0.6376, 0.3319



1.1303, 0.6319, 0.3365

Inverse Universe

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



89.4523, 0.2793, 0.3268



87.6630, 0.2729, 0.3263



72.8562, 0.2770, 0.2961



20.3654, 0.2980, 0.3281



38.2722, 0.2217, 0.3180



3.7593, 0.2220, 0.3193

Previews

White Background



This preview shows how the Yxy color 66.6458, 0.3582, 0.3312 looks on a white background.

Color Contrast Check

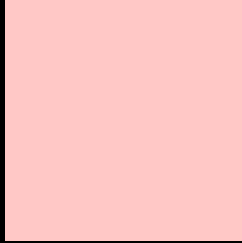
Large Text (above 18pt) WCAG AA × Fail

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 66.6458, 0.3582, 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 66.6458, 0.3582, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 66.6458, 0.3582, 0.3312.

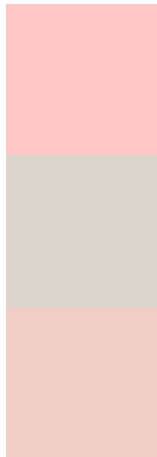


This preview shows how white text looks on a background with the Yxy color 66.6458, 0.3582, 0.3312.

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

66.6458, 0.3582, 0.3312

Protanopia

67.0563, 0.3227, 0.3380

Deuteranopia

66.6991, 0.3458, 0.3388



Tritanopia

66.4523, 0.3468, 0.3137

Trichromacy



Original Color

66.6458, 0.3582, 0.3312

Protanomaly

66.5318, 0.3354, 0.3356

Deuteranomaly

66.6294, 0.3502, 0.3365

Tritanomaly

66.6609, 0.3505, 0.3199

Monochromacy



Original Color

66.6458, 0.3582, 0.3312

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.5196, 0.3285, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6458, 0.3582, 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, 200, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 198)  
}
```

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, 200, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 198) }
```

Border

The CSS property to change the border of an element to Yxy 66.6458, 0.3582, 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, 200, 198) }
```

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

```
.border{ border-color:rgb(255, 200, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6458, 0.3582, 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, 200, 198) }
```

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

```
.background{ background-color: rgb(255,  
200, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor