

Converting Colors

$Y_{xy}(55.7355, 0.3766, 0.3212)$

Have a look what the booklet for
Yxy(55.7355, 0.3766, 0.3212)
contains.

Yxy(55.7714, 0.3763, 0.3208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7714, 0.3763, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	FFB0B8
RGB	255, 176, 184
RGB Percent	100%, 69%, 72%
CMY	0.0000, 0.3098, 0.2785
CMYK	0.00, 0.31, 0.28, 0.00
HSL	354°, 100%, 85%
HSV	354°, 31%, 100%
XYZ	65.4201, 55.7714, 52.6595
YIQ	200.5330, 44.5160, 19.2360

Conversions

Conversions Part 2

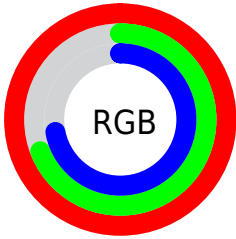
Format	Color
R _Y B	255, 176, 184
Decimal	16756920
CIE Lab	79.48, 29.90, 7.64
CIE LCh	79, 30.856, 14.332
Yxy	55.7714, 0.3763, 0.3208
Android (android.graphics.Color)	4294947000 (0xFFFFB0B8)
YUV	200.5330, -8.1508, 47.7676
Hunter-Lab	74.6803, 25.6761, 10.4689

Details

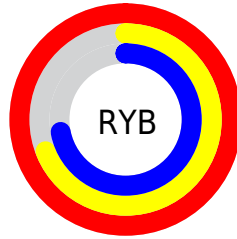
The Yxy color **55.7714, 0.3763, 0.3208** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **87.4661, 0.2719, 0.3376**, and the grayscale version is **58.1342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2645, 0.3233, 0.3212**, and **27.6749, 0.3937, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **45.8086, 0.4075, 0.3182**, and if you desaturate by 10%, it is **67.7679, 0.3509, 0.3236**.

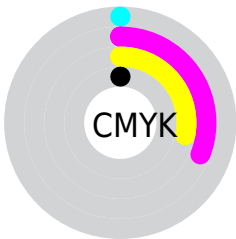
Distribution



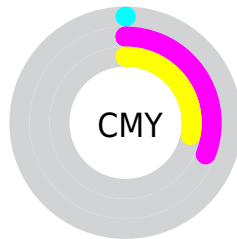
- Red (100%)
- Green (69%)
- Blue (72%)



- Red (100%)
- Yellow (69%)
- Blue (72%)



- Cyan (0%)
- Magenta (31%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7714, 0.3763, 0.3208 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 55.7714, 0.3763, 0.3208 by changing the saturation by 10% instead.


 55.7714, 0.3763,
0.3208

 55.7714, 0.3763,
0.3208


408.8294, 0.3452,
0.3253

 40.0197, 0.3838,
0.3196


 98.6703, 0.3652,
0.3225

 27.5539, 0.3934,
0.3179


126.5862, 0.3609,
0.3232

 17.9896, 0.4058,
0.3157


159.3256, 0.3574,
0.3237

 10.9425, 0.4227,
0.3123

197.2730, 0.3543,
0.3241

 6.0282, 0.4469,
0.3072

240.8126, 0.3516,
0.3245

 2.8622, 0.4842,
0.2982

290.3290, 0.3492,

 1.0602, 0.5541,

0.3248

0.2832

346.2065, 0.3471,
0.3251

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

55.7714, 0.3763,
0.3208

55.7714, 0.3763,
0.3208

45.8086, 0.4075,
0.3182

67.7679, 0.3509,
0.3236

37.7668, 0.4448,
0.3160

81.9024, 0.3305,
0.3262

31.5220, 0.4877,
0.3147

98.2719, 0.3141,
0.3288

26.9358, 0.5334,
0.3148

100.0000, 0.3127,
0.3290

■ 23.8496, 0.5767,
0.3169

■ 22.0738, 0.6112,
0.3208

■ 21.3337, 0.6309,
0.3249

Harmonies

Analogous

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



55.7714, 0.3411, 0.2912



55.7714, 0.3763, 0.3208



55.7714, 0.3934, 0.3538

Triad

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



55.7714, 0.3763, 0.3208



55.7714, 0.3215, 0.3975



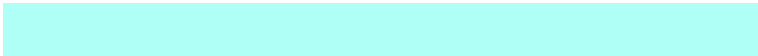
55.7714, 0.2426, 0.2714

Complementary

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



55.7714, 0.3763, 0.3208



87.4661, 0.2719, 0.3376

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.



55.7714, 0.2383, 0.2958



55.7714, 0.3763, 0.3208



55.7714, 0.2821, 0.3716

Square

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



55.7714, 0.3763, 0.3208



55.7714, 0.3601, 0.4007



55.7714, 0.2522, 0.3327



55.7714, 0.2643, 0.2631

Rectangle

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



55.7714, 0.3763, 0.3208



55.7714, 0.3916, 0.3744



55.7714, 0.2522, 0.3327



55.7714, 0.2391, 0.2778

Sweetspot

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



55.7713, 0.3763, 0.3208



84.9633, 0.3270, 0.3268



57.8247, 0.3091, 0.2500



17.7024, 0.3295, 0.3264



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.



55.7713, 0.3763, 0.3208



49.5372, 0.3943, 0.3192



68.6740, 0.3739, 0.3606



18.0169, 0.3278, 0.3266



11.1570, 0.6287, 0.3237



1.0958, 0.6072, 0.3119

Inverse Universe

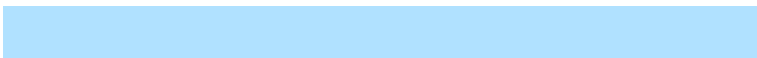
The Inverse Universe completely reimagines the original color for something new.



55.7713, 0.3763, 0.3208



49.5372, 0.3943, 0.3192



70.1477, 0.2641, 0.2950



18.0169, 0.3278, 0.3266



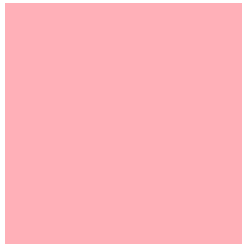
11.1570, 0.6287, 0.3237



1.0958, 0.6072, 0.3119

Previews

White Background



This preview shows how the Yxy color 55.7714, 0.3763, 0.3208 looks on a white background.

Color Contrast Check

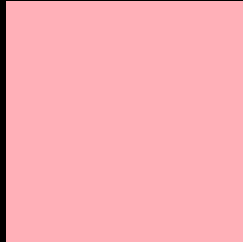
Large Text (above 18pt) WCAG AA × Fail

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 55.7714, 0.3763, 0.3208 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 55.7714, 0.3763, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 55.7714, 0.3763, 0.3208.



This preview shows how white text looks on a background with the Yxy color 55.7714, 0.3763, 0.3208.

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

55.7714, 0.3763, 0.3208

Protanopia

55.8375, 0.3174, 0.3302

Deuteranopia

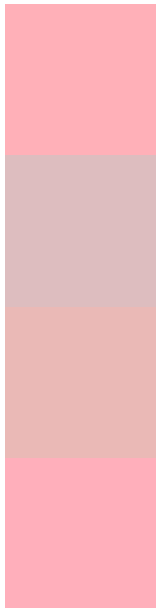
55.6927, 0.3467, 0.3395



Tritanopia

55.5941, 0.3720, 0.3145

Trichromacy



Original Color

55.7714, 0.3763, 0.3208

Protanomaly

55.5289, 0.3379, 0.3268

Deuteranomaly

55.5677, 0.3574, 0.3325

Tritanomaly

55.5078, 0.3738, 0.3166

Monochromacy



Original Color

55.7714, 0.3763, 0.3208

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

57.0116, 0.3342, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7714, 0.3763, 0.3208 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, 176, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 184)  
}
```

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, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 184) }
```

Border

The CSS property to change the border of an element to Yxy 55.7714, 0.3763, 0.3208 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, 176, 184) }
```

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

```
.border{ border-color:rgb(255, 176, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7714, 0.3763, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 184) }
```

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

```
.background{ background-color: rgb(255,  
176, 184) }
```

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