

# Converting Colors

$Yxy(90.2803, 0.4897, 0.3355)$

Have a look what the booklet for  
Yxy(90.2803, 0.4897, 0.3355)  
contains.

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# **Color**

**Yxy(55.1007, 0.3918, 0.3387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0A7
RGB	255, 176, 167
RGB Percent	100%, 69%, 65%
CMY	0.0000, 0.3098, 0.3450
CMYK	0.00, 0.31, 0.35, 0.00
HSL	6°, 100%, 83%
HSV	6°, 35%, 100%
XYZ	63.7392, 55.1007, 43.8430
YIQ	198.5950, 49.9730, 13.9490

# Conversions

## Conversions Part 2

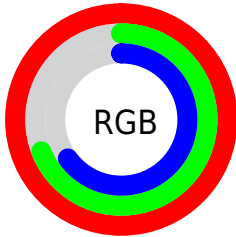
Format	Color
R <sub>Y</sub> B	255, 177, 167
Decimal	16756903
CIE Lab	79.10, 27.74, 16.28
CIE LCh	79, 32.161, 30.404
Yxy	55.1007, 0.3918, 0.3387
Android (android.graphics.Color)	4294946983 (0xFFFFB0A7)
YUV	198.5950, -15.5763, 49.4672
Hunter-Lab	74.2298, 23.3709, 16.9419

# Details

The Yxy color **55.1007, 0.3918, 0.3387** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.3479, 0.2625, 0.3189**, and the grayscale version is **56.9292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2472, 0.3351, 0.3390**, and **27.1395, 0.4128, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **46.0175, 0.4266, 0.3415**, and if you desaturate by 10%, it is **65.8889, 0.3629, 0.3358**.

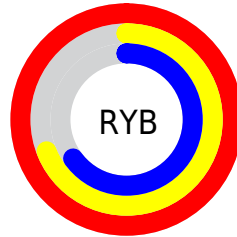
# Distribution



Red (100%)

Green (69%)

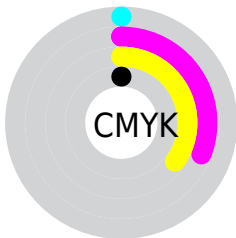
Blue (65%)



Red (100%)

Yellow (69%)

Blue (65%)

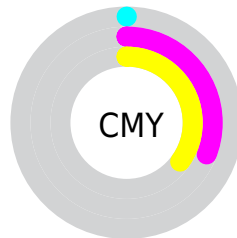


Cyan (0%)

Magenta (31%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1007, 0.3918, 0.3387 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 55.1007, 0.3918, 0.3387 by changing the saturation by 10% instead.





 55.1007, 0.3918,  
0.3387

 55.1007, 0.3918,  
0.3387


406.2935, 0.3530,  
0.3352

 39.4824, 0.4012,  
0.3392


 97.6885, 0.3779,  
0.3377

 27.1352, 0.4132,  
0.3397

 125.4267, 0.3726,  
0.3372

 17.6748, 0.4287,  
0.3399


157.9737, 0.3681,  
0.3368

 10.7167, 0.4498,  
0.3397

195.7138, 0.3642,  
0.3364

 5.8767, 0.4797,  
0.3383

239.0314, 0.3609,  
0.3361

 2.7703, 0.5249,  
0.3333

288.3110, 0.3579,

 1.0130, 0.6534,

0.3357

0.3466

343.9369, 0.3553,  
0.3354

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.1007, 0.3918,  
0.3387

55.1007, 0.3918,  
0.3387

46.0175, 0.4266,  
0.3415

65.8889, 0.3629,  
0.3358

38.5446, 0.4672,  
0.3437

78.4548, 0.3393,  
0.3329

32.5900, 0.5120,  
0.3448

92.8766, 0.3201,  
0.3302

28.0491, 0.5572,  
0.3443

99.9983, 0.3127,  
0.3290

■ 24.8043, 0.5967,  
0.3417

■ 22.7184, 0.6242,  
0.3374

■ 21.9999, 0.6337,  
0.3351

# Harmonies

## Analogous

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



55.1007, 0.3639, 0.3052



55.1007, 0.3918, 0.3387



55.1007, 0.3965, 0.3722

# Triad

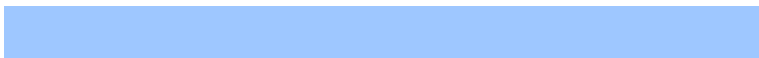
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



55.1007, 0.3918, 0.3387



55.1007, 0.2991, 0.3890



55.1007, 0.2495, 0.2621

# Complementary

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



55.1007, 0.3918, 0.3387



81.3479, 0.2625, 0.3189

# 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.



55.1007, 0.2351, 0.2785



55.1007, 0.3918, 0.3387



55.1007, 0.2622, 0.3525

# Square

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



55.1007, 0.3918, 0.3387



55.1007, 0.3413, 0.4055



55.1007, 0.2395, 0.3109



55.1007, 0.2805, 0.2626



# Rectangle

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



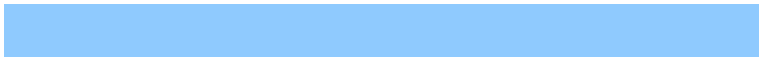
55.1007, 0.3918, 0.3387



55.1007, 0.3861, 0.3907



55.1007, 0.2395, 0.3109



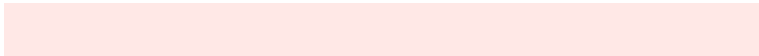
55.1007, 0.2427, 0.2657

# Sweetspot

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



55.1033, 0.3918, 0.3387



84.7183, 0.3301, 0.3316



55.5679, 0.3237, 0.2508



17.7062, 0.3329, 0.3320



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.



55.1033, 0.3918, 0.3387



49.0139, 0.4137, 0.3405



75.1314, 0.3762, 0.3832



18.2856, 0.3292, 0.3315



11.5933, 0.6321, 0.3363



1.2231, 0.6173, 0.3481



# Inverse Universe

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



81.3479, 0.2625, 0.3189



78.6371, 0.2544, 0.3168



57.7750, 0.2556, 0.2678



20.1454, 0.2980, 0.3265



33.1643, 0.2157, 0.2965



3.3168, 0.2168, 0.3005



# Previews

## White Background



This preview shows how the Yxy color 55.1007, 0.3918, 0.3387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

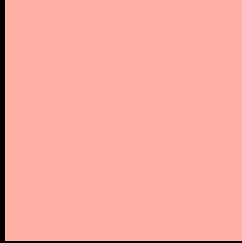
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1007, 0.3918, 0.3387 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 55.1007, 0.3918, 0.3387**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1007, 0.3918, 0.3387.



This preview shows how white text looks on a background with the Yxy color 55.1007, 0.3918, 0.3387.

# 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

55.1007, 0.3918, 0.3387

### Protanopia

55.4915, 0.3336, 0.3521

### Deuteranopia

55.2806, 0.3637, 0.3568



## Tritanopia

55.1200, 0.3741, 0.3156

# Trichromacy



## Original Color

55.1007, 0.3918, 0.3387

## Protanomaly

55.1003, 0.3544, 0.3477

## Deuteranomaly

55.0387, 0.3741, 0.3493

## Tritanomaly

55.2152, 0.3802, 0.3239

# Monochromacy



## Original Color

55.1007, 0.3918, 0.3387

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

55.9095, 0.3391, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1007, 0.3918, 0.3387 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, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 167)  
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1007, 0.3918, 0.3387 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, 167) }
```

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

```
.border{ border-color:rgb(255, 176, 167) }
```

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, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 176, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 176, 167); box-shadow:4px 4px 4px 4px rgb(255, 176, 167) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1007, 0.3918, 0.3387 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, 167) }
```

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

```
.background{ background-color: rgb(255,  
176, 167) }
```

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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