

# Converting Colors

$Y_{xy}(79.7114, 0.4532, 0.3422)$

Have a look what the booklet for  
Yxy(79.7114, 0.4532, 0.3422)  
contains.

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# Color

**Yxy(59.2801, 0.3855, 0.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAAA
RGB	255, 186, 170
RGB Percent	100%, 73%, 67%
CMY	0.0001, 0.2705, 0.3332
CMYK	0.00, 0.27, 0.33, 0.00
HSL	11°, 100%, 83%
HSV	11°, 33%, 100%
XYZ	66.0476, 59.2801, 46.0020
YIQ	204.8070, 46.2600, 9.6520

# Conversions

## Conversions Part 2

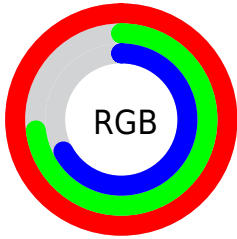
Format	Color
R <sub>Y</sub> B	255, 190, 170
Decimal	16759466
CIE Lab	81.45, 22.85, 17.94
CIE LCh	81, 29.046, 38.134
Yxy	59.2801, 0.3855, 0.3460
Android (android.graphics.Color)	4294949546 (0xFFFFBAAA)
YUV	204.8070, -17.1599, 44.0193
Hunter-Lab	76.9936, 18.3844, 18.4710

# Details

The Yxy color **59.2801, 0.3855, 0.3460** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.4837, 0.2629, 0.3111**, and the grayscale version is **61.0122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2005, 0.3319, 0.3458**, and **29.6809, 0.4051, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **50.3108, 0.4175, 0.3511**, and if you desaturate by 10%, it is **69.7051, 0.3586, 0.3407**.

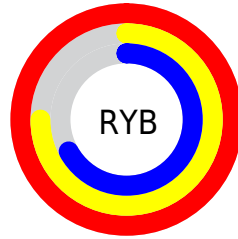
# Distribution



Red (100%)

Green (73%)

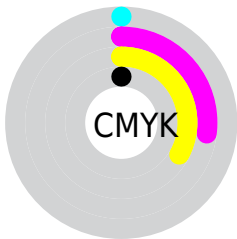
Blue (67%)



Red (100%)

Yellow (75%)

Blue (67%)

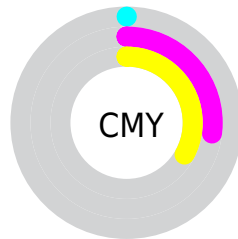


Cyan (0%)

Magenta (27%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2801, 0.3855, 0.3460 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 59.2801, 0.3855, 0.3460 by changing the saturation by 10% instead.




 59.2801, 0.3855,  
0.3460

 59.2801, 0.3855,  
0.3460


421.9391, 0.3502,  
0.3389

 42.8386, 0.3939,  
0.3474

 103.7847, 0.3729,  
0.3437

 29.7585, 0.4045,  
0.3490


132.6165, 0.3682,  
0.3428

 19.6554, 0.4183,  
0.3507


166.3473, 0.3641,  
0.3419

 12.1448, 0.4367,  
0.3525

205.3615, 0.3605,  
0.3412

 6.8424, 0.4624,  
0.3541

250.0433, 0.3575,  
0.3405

 3.3637, 0.5007,  
0.3541

300.7773, 0.3547,

 1.3244, 0.5959,

0.3399

0.3691

357.9478, 0.3523,  
0.3394

0.1600, 0.8160,  
0.1840

0.0000, 0.0000,  
0.0000

59.2801, 0.3855,  
0.3460

59.2801, 0.3855,  
0.3460

50.3108, 0.4175,  
0.3511

69.7051, 0.3586,  
0.3407

42.7238, 0.4545,  
0.3555

81.6382, 0.3364,  
0.3355

36.4520, 0.4957,  
0.3583

95.1393, 0.3180,  
0.3305

31.4194, 0.5381,  
0.3586

99.9940, 0.3127,  
0.3290

■ 27.5415, 0.5773,  
0.3556

■ 24.7230, 0.6079,  
0.3492

■ 23.3689, 0.6224,  
0.3440

# Harmonies

## Analogous

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



59.2801, 0.3657, 0.3154



59.2801, 0.3855, 0.3460



59.2801, 0.3842, 0.3745

# Triad

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



59.2801, 0.3855, 0.3460



59.2801, 0.2917, 0.3744



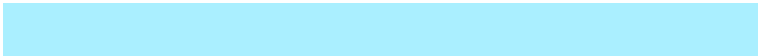
59.2801, 0.2625, 0.2683

# Complementary

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



59.2801, 0.3855, 0.3460



77.4837, 0.2629, 0.3111

# 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.



59.2801, 0.2455, 0.2793



59.2801, 0.3855, 0.3460



59.2801, 0.2614, 0.3402

# Square

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



59.2801, 0.3855, 0.3460



59.2801, 0.3288, 0.3943



59.2801, 0.2450, 0.3049



59.2801, 0.2933, 0.2722



# Rectangle

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



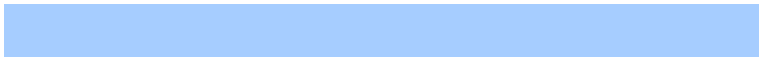
59.2801, 0.3855, 0.3460



59.2801, 0.3719, 0.3886



59.2801, 0.2450, 0.3049



59.2801, 0.2551, 0.2702

# Sweetspot

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



59.2829, 0.3855, 0.3460



85.9627, 0.3299, 0.3338



56.2675, 0.3289, 0.2598



18.0048, 0.3326, 0.3345



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.



59.2829, 0.3855, 0.3460



53.1439, 0.4063, 0.3495



79.6820, 0.3713, 0.3881



18.5403, 0.3290, 0.3335



12.3714, 0.6201, 0.3459

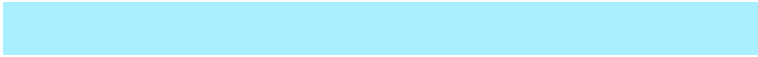


1.3447, 0.6000, 0.3618

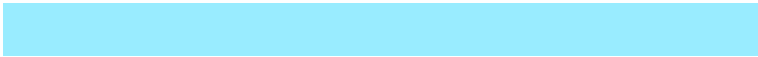


# Inverse Universe

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



77.4837, 0.2629, 0.3111



73.8640, 0.2540, 0.3070



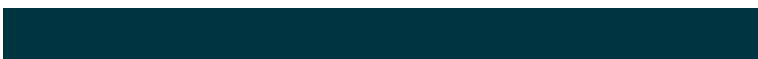
55.6639, 0.2566, 0.2617



19.8656, 0.2980, 0.3244



27.2941, 0.2076, 0.2674



2.8007, 0.2098, 0.2752



# Previews

## White Background



This preview shows how the Yxy color 59.2801, 0.3855, 0.3460 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 59.2801, 0.3855, 0.3460 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

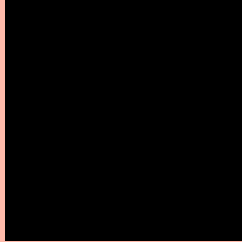
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2801, 0.3855, 0.3460**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2801, 0.3855, 0.3460.



This preview shows how white text looks on a background with the Yxy color 59.2801, 0.3855, 0.3460.

# 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**

59.2801, 0.3855, 0.3460

**Protanopia**

59.4525, 0.3384, 0.3573

**Deuteranopia**

59.3498, 0.3664, 0.3593



## Tritanopia

59.1125, 0.3638, 0.3156

# Trichromacy



## Original Color

59.2801, 0.3855, 0.3460

## Protanomaly

59.0690, 0.3553, 0.3529

## Deuteranomaly

59.4411, 0.3733, 0.3543

## Tritanomaly

59.1288, 0.3714, 0.3260

# Monochromacy



## Original Color

59.2801, 0.3855, 0.3460

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

59.8819, 0.3373, 0.3359

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2801, 0.3855, 0.3460 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, 186, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 170)  
}
```

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, 186, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2801, 0.3855, 0.3460 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, 186, 170) }
```

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

```
.border{ border-color:rgb(255, 186, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 186, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 186, 170); box-shadow:4px 4px 4px 4px rgb(255, 186, 170) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2801, 0.3855, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 170) }
```

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

```
.background{ background-color: rgb(255,  
186, 170) }
```

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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