

# Converting Colors

$Y_{xy}(55.6250, 0.3594, 0.3511)$

Have a look what the booklet for  
Yxy(55.6250, 0.3594, 0.3511)  
contains.

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# Color

**Yxy(55.4662, 0.3595, 0.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2BDAA
RGB	226, 189, 170
RGB Percent	89%, 74%, 67%
CMY	0.1139, 0.2588, 0.3333
CMYK	0.00, 0.16, 0.25, 0.11
HSL	20°, 49%, 78%
HSV	20°, 25%, 89%
XYZ	56.8094, 55.4662, 45.7478
YIQ	197.8970, 28.1510, 1.9350

# Conversions

## Conversions Part 2

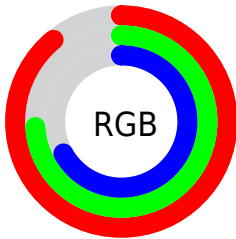
Format	Color
R <sub>Y</sub> B	226, 199, 170
Decimal	14859690
CIE Lab	79.31, 10.36, 14.53
CIE LCh	79, 17.846, 54.507
Yxy	55.4662, 0.3595, 0.3510
Android (android.graphics.Color)	4293049770 (0xFFE2BDAA)
YUV	197.8970, -13.7532, 24.6463
Hunter-Lab	74.4756, 5.8260, 15.7132

# Details

The Yxy color **55.4662, 0.3595, 0.3510** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **58.6412, 0.2744, 0.3059**, and the grayscale version is **56.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0011, 0.3315, 0.3487**, and **27.4624, 0.3719, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **48.5925, 0.3843, 0.3604**, and if you desaturate by 10%, it is **63.1524, 0.3383, 0.3418**.

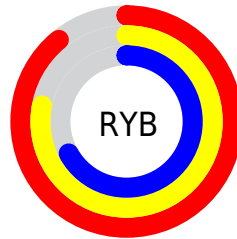
# Distribution



Red (89%)

Green (74%)

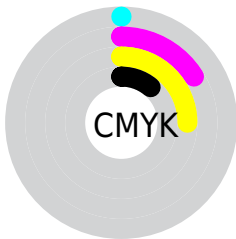
Blue (67%)



Red (89%)

Yellow (78%)

Blue (67%)

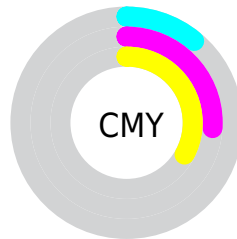


Cyan (0%)

Magenta (16%)

Yellow (25%)

Black (11%)



Cyan (11%)

Magenta (26%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4662, 0.3595, 0.3510 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 55.4662, 0.3595, 0.3510 by changing the saturation by 10% instead.





 55.4662, 0.3595,  
0.3510

 55.4662, 0.3595,  
0.3510


407.6767, 0.3366,  
0.3407

 39.7751, 0.3650,  
0.3533


 98.2237, 0.3513,  
0.3474

 27.3632, 0.3721,  
0.3562


126.0588, 0.3482,  
0.3460

 17.8462, 0.3812,  
0.3599


158.7108, 0.3455,  
0.3448

 10.8396, 0.3937,  
0.3646


196.5640, 0.3433,  
0.3438

 5.9591, 0.4115,  
0.3708

240.0028, 0.3413,  
0.3429

 2.8202, 0.4389,  
0.3790

289.4116, 0.3395,

 1.0386, 0.5310,

0.3421

345.1747, 0.3380,  
0.3414

0.4255

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.4662, 0.3595,  
0.3510

55.4662, 0.3595,  
0.3510

48.5925, 0.3843,  
0.3604

63.1524, 0.3383,  
0.3418

42.4963, 0.4128,  
0.3695

71.6694, 0.3203,  
0.3330

37.1511, 0.4448,  
0.3775

81.0446, 0.3050,  
0.3248

32.5258, 0.4794,  
0.3833

90.9491, 0.2951,  
0.3226

■ 28.5872, 0.5148,  
0.3857

■ 94.9027, 0.2952,  
0.3289

■ 25.2987, 0.5480,  
0.3834

■ 22.6192, 0.5759,  
0.3761

■ 21.4367, 0.5883,  
0.3711

# Harmonies

## Analogous

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



55.4662, 0.3540, 0.3316



55.4662, 0.3595, 0.3510



55.4662, 0.3519, 0.3656

# Triad

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



55.4662, 0.3595, 0.3510



55.4662, 0.2883, 0.3463



55.4662, 0.2909, 0.2901

# Complementary

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



55.4662, 0.3595, 0.3510



58.6412, 0.2744, 0.3059

# 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.



55.4662, 0.2745, 0.2924



55.4662, 0.3595, 0.3510



55.4662, 0.2730, 0.3242

# Square

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



55.4662, 0.3595, 0.3510



55.4662, 0.3104, 0.3638



55.4662, 0.2680, 0.3045



55.4662, 0.3137, 0.2974



# Rectangle

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



55.4662, 0.3595, 0.3510



55.4662, 0.3407, 0.3704



55.4662, 0.2680, 0.3045



55.4662, 0.2845, 0.2897

# Sweetspot

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



55.4687, 0.3595, 0.3510



91.6123, 0.3242, 0.3349



49.4373, 0.3311, 0.2870



19.4596, 0.3252, 0.3355



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.



55.4687, 0.3595, 0.3510



67.9119, 0.3725, 0.3561



68.5046, 0.3523, 0.3811



14.4578, 0.3284, 0.3370



12.4319, 0.5855, 0.3733



1.0237, 0.5556, 0.3971

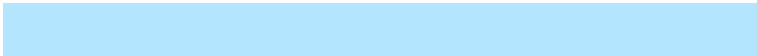


# Inverse Universe

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



58.6412, 0.2744, 0.3059



72.7903, 0.2661, 0.3000



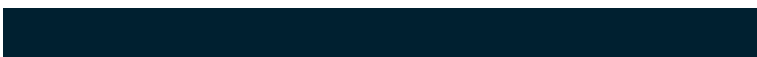
46.4122, 0.2713, 0.2709



14.7471, 0.2982, 0.3208



15.6651, 0.1929, 0.2143



1.2497, 0.1984, 0.2341



# Previews

## White Background



This preview shows how the Yxy color 55.4662, 0.3595, 0.3510 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 55.4662, 0.3595, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

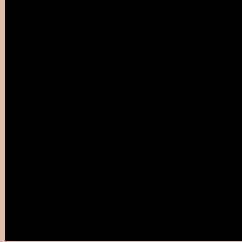
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.4662, 0.3595, 0.3510**

## Background



This preview shows how black text looks on a background with the Yxy color 55.4662, 0.3595, 0.3510.



This preview shows how white text looks on a background with the Yxy color 55.4662, 0.3595, 0.3510.

# 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

55.4662, 0.3595, 0.3510

### Protanopia

55.6577, 0.3376, 0.3557

### Deuteranopia

55.3050, 0.3587, 0.3511



## Tritanopia

55.4795, 0.3388, 0.3134

# Trichromacy



## Original Color

55.4662, 0.3595, 0.3510

## Protanomaly

55.3032, 0.3449, 0.3529

## Deuteranomaly

55.3050, 0.3587, 0.3511

## Tritanomaly

55.2426, 0.3469, 0.3268

# Monochromacy



## Original Color

55.4662, 0.3595, 0.3510

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.0710, 0.3286, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4662, 0.3595, 0.3510 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(226, 189, 170)` looks like.

```
.text, #text, p{  
    color:rgb(226, 189, 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(226, 189, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 189, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4662, 0.3595, 0.3510 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(226, 189, 170) }
```

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

```
.border{ border-color:rgb(226, 189, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 189, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 189, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 189, 170);  
box-shadow:4px 4px 4px 4px rgb(226, 189,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4662, 0.3595, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 189, 170) }
```

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

```
.background{ background-color: rgb(226,  
189, 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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