

# Converting Colors

$Yxy(55.0845, 0.3509, 0.3560)$

Have a look what the booklet for  
Yxy(55.0845, 0.3509, 0.3560)  
contains.

<b>Yxy(55.1628, 0.3509, 0.3563)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.1628, 0.3509, 0.3563)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8C0A9
RGB	216, 192, 169
RGB Percent	85%, 75%, 66%
CMY	0.1530, 0.2470, 0.3372
CMYK	0.00, 0.11, 0.22, 0.15
HSL	29°, 38%, 75%
HSV	29°, 22%, 85%
XYZ	54.3268, 55.1628, 45.3317
YIQ	196.5540, 21.6870, -2.0650

# Conversions

## Conversions Part 2

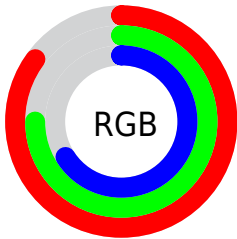
Format	Color
RYB	216, 214, 169
Decimal	14205097
CIELab	79.13, 4.88, 14.69
CIELCh	79, 15.477, 71.601
Yxy	55.1628, 0.3509, 0.3563
Android (android.graphics.Color)	4292395177 (0xFFD8C0A9)
YUV	196.5540, -13.5841, 17.0541
Hunter-Lab	74.2717, 0.5902, 15.8026

# Details

The Yxy color **55.1628, 0.3509, 0.3563** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **51.5305, 0.2785, 0.3001**, and the grayscale version is **55.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7766, 0.3318, 0.3525**, and **27.3267, 0.3612, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **49.7580, 0.3724, 0.3696**, and if you desaturate by 10%, it is **61.0692, 0.3319, 0.3434**.

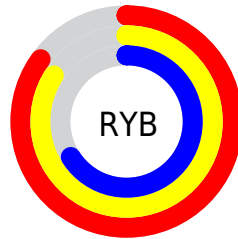
# Distribution



Red (85%)

Green (75%)

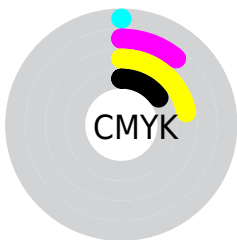
Blue (66%)



Red (85%)

Yellow (84%)

Blue (66%)

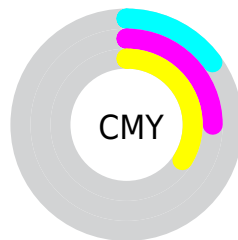


Cyan (0%)

Magenta (11%)

Yellow (22%)

Black (15%)



Cyan (15%)

Magenta (25%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1628, 0.3509, 0.3563 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 55.1628, 0.3509, 0.3563 by changing the saturation by 10% instead.




 55.1628, 0.3509,  
0.3563

 55.1628, 0.3509,  
0.3563


406.5288, 0.3323,  
0.3432

 39.5321, 0.3554,  
0.3594


 97.7794, 0.3442,  
0.3517

 27.1739, 0.3611,  
0.3632


125.5342, 0.3417,  
0.3499

 17.7039, 0.3685,  
0.3682

158.0990, 0.3395,  
0.3484

 10.7376, 0.3786,  
0.3748

195.8583, 0.3377,  
0.3471

 5.8907, 0.3930,  
0.3838

239.1966, 0.3361,  
0.3459

 2.7787, 0.4150,  
0.3970

288.4981, 0.3347,

 1.0173, 0.5027,

0.3449

0.4634

344.1474, 0.3334,  
0.3440

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.1628, 0.3509,  
0.3563

55.1628, 0.3509,  
0.3563

49.7580, 0.3724,  
0.3696

61.0692, 0.3319,  
0.3434

44.8330, 0.3964,  
0.3827

67.4836, 0.3154,  
0.3311

40.3749, 0.4226,  
0.3948

74.4215, 0.3009,  
0.3196

36.3673, 0.4503,  
0.4050

81.8689, 0.2887,  
0.3094

■ 32.7929, 0.4783,  
0.4119

■ 88.4183, 0.2891,  
0.3209

■ 29.6323, 0.5051,  
0.4142

■ 93.3356, 0.2894,  
0.3289

■ 26.8640, 0.5286,  
0.4112

■ 24.8491, 0.5453,  
0.4052

# Harmonies

## Analogous

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



55.1628, 0.3526, 0.3413



55.1628, 0.3509, 0.3563



55.1628, 0.3387, 0.3646

# Triad

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



55.1628, 0.3509, 0.3563



55.1628, 0.2829, 0.3332



55.1628, 0.3047, 0.2976

# Complementary

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



55.1628, 0.3509, 0.3563



51.5305, 0.2785, 0.3001

# 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.



55.1628, 0.2867, 0.2948



55.1628, 0.3509, 0.3563



55.1628, 0.2744, 0.3146

# Square

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



55.1628, 0.3509, 0.3563



55.1628, 0.2993, 0.3513



55.1628, 0.2757, 0.3007



55.1628, 0.3255, 0.3081



# Rectangle

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



55.1628, 0.3509, 0.3563



55.1628, 0.3265, 0.3647



55.1628, 0.2757, 0.3007



55.1628, 0.2981, 0.2958

# Sweetspot

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



55.1653, 0.3509, 0.3563



93.2271, 0.3239, 0.3375



46.8436, 0.3346, 0.3004



19.8332, 0.3249, 0.3383



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.



55.1653, 0.3509, 0.3563



76.7175, 0.3603, 0.3623



66.1615, 0.3455, 0.3821



13.4145, 0.3279, 0.3404



14.9263, 0.5429, 0.4071



1.0657, 0.5160, 0.4285

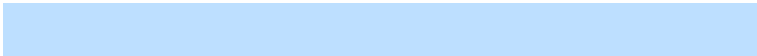


# Inverse Universe

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



51.5305, 0.2785, 0.3001



70.5314, 0.2712, 0.2932



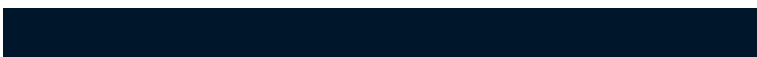
42.0717, 0.2763, 0.2697



13.0463, 0.2982, 0.3173



9.7847, 0.1784, 0.1622



0.7557, 0.1870, 0.1931



# Previews

## White Background



This preview shows how the Yxy color 55.1628, 0.3509, 0.3563 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 55.1628, 0.3509, 0.3563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

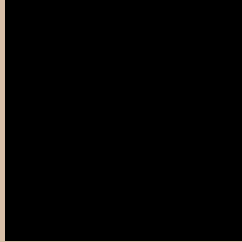
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1628, 0.3509, 0.3563**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1628, 0.3509, 0.3563.



This preview shows how white text looks on a background with the Yxy color 55.1628, 0.3509, 0.3563.

# 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

55.1628, 0.3509, 0.3563

### Protanopia

55.3993, 0.3391, 0.3594

### Deuteranopia

55.1448, 0.3578, 0.3511



## Tritanopia

55.0206, 0.3285, 0.3119

# Trichromacy



## Original Color

55.1628, 0.3509, 0.3563

## Protanomaly

55.4878, 0.3435, 0.3592

## Deuteranomaly

55.1013, 0.3549, 0.3525

## Tritanomaly

55.1730, 0.3370, 0.3279

# Monochromacy



## Original Color

55.1628, 0.3509, 0.3563

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

55.4554, 0.3260, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.1628, 0.3509, 0.3563 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(216, 192, 169)` looks like.

```
.text, #text, p{  
    color:rgb(216, 192, 169)  
}
```

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(216, 192, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 192, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1628, 0.3509, 0.3563 is called "border". The border property can be set on classes, ids or directly on the HTML element.

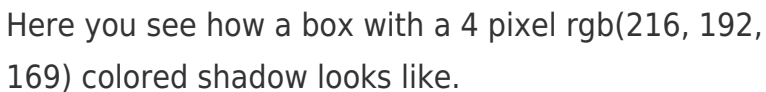
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 192, 169) }
```

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

```
.border{ border-color:rgb(216, 192, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 192, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 192, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 192, 169); box-shadow:4px 4px 4px 4px rgb(216, 192, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1628, 0.3509, 0.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 192, 169) }
```

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

```
.background{ background-color: rgb(216,  
192, 169) }
```

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