

# Converting Colors

$Yxy(55.2922, 0.3816, 0.3956)$

Have a look what the booklet for  
Yxy(55.2922, 0.3816, 0.3956)  
contains.

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# Color

**Yxy(55.2897, 0.3816, 0.3956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC188
RGB	221, 193, 136
RGB Percent	87%, 76%, 53%
CMY	0.1333, 0.2431, 0.4668
CMYK	0.00, 0.13, 0.38, 0.13
HSL	40°, 56%, 70%
HSV	40°, 38%, 87%
XYZ	53.3330, 55.2897, 31.1389
YIQ	194.8740, 34.9850, -11.7910

# Conversions

## Conversions Part 2

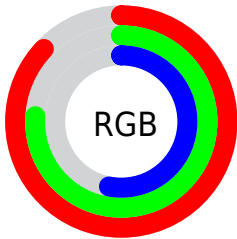
Format	Color
R <sub>Y</sub> B	178, 221, 136
Decimal	14533000
CIE Lab	79.21, 2.03, 32.38
CIE LCh	79, 32.446, 86.422
Yxy	55.2897, 0.3816, 0.3956
Android (android.graphics.Color)	4292723080 (0xFFDDC188)
YUV	194.8740, -29.0249, 22.9125
Hunter-Lab	74.3570, -2.0946, 27.2207

# Details

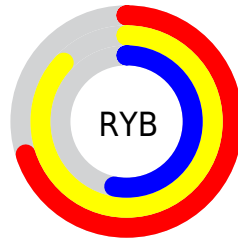
The Yxy color  $55.2897, 0.3816, 0.3956$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $36.9922, 0.2479, 0.2515$ , and the grayscale version is  $54.6551, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $92.7291, 0.3527, 0.3875$ , and  $27.4114, 0.3994, 0.4126$  is the 20% darker color. If you saturate the color by 10%, you get  $51.5883, 0.4024, 0.4123$ , and if you desaturate by 10%, it is  $59.2842, 0.3617, 0.3780$ .

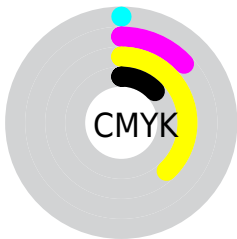
# Distribution



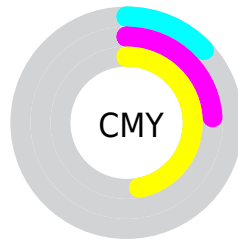
- Red (87%)
- Green (76%)
- Blue (53%)



- Red (70%)
- Yellow (87%)
- Blue (53%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (13%)




- Cyan (13%)
- Magenta (24%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2897, 0.3816, 0.3956 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 55.2897, 0.3816, 0.3956 by changing the saturation by 10% instead.





 55.2897, 0.3816,  
0.3956

 55.2897, 0.3816,  
0.3956


407.0091, 0.3485,  
0.3639


 39.6337, 0.3893,  
0.4029


 97.9653, 0.3700,  
0.3845

 27.2531, 0.3988,  
0.4118


 125.7537, 0.3655,  
0.3802

 17.7634, 0.4108,  
0.4230


 158.3550, 0.3617,  
0.3766

 10.7802, 0.4262,  
0.4371

196.1536, 0.3583,  
0.3734

 5.9193, 0.4461,  
0.4550

239.5339, 0.3554,  
0.3706

 2.7960, 0.4927,  
0.4982

288.8804, 0.3529,

 1.0262, 0.5012,

0.3681

0.4988

344.5773, 0.3506,  
0.3659

0.0000, 0.0000,  
0.0000

55.2897, 0.3816,  
0.3956

55.2897, 0.3816,  
0.3956

51.5883, 0.4024,  
0.4123

59.2842, 0.3617,  
0.3780

48.1619, 0.4235,  
0.4271

63.5736, 0.3430,  
0.3603

45.0020, 0.4438,  
0.4389

68.1694, 0.3259,  
0.3430

42.0961, 0.4625,  
0.4465

73.0801, 0.3105,  
0.3266

39.4297, 0.4785,  
0.4493


78.3137, 0.2966,  
0.3111


 36.9827, 0.4913,  
0.4471

 82.9728, 0.2918,  
0.3101

 36.6263, 0.4932,  
0.4466

 87.2654, 0.2920,  
0.3177

 91.7311, 0.2922,  
0.3251

 94.1139, 0.2923,  
0.3289

# Harmonies

## Analogous

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



55.2897, 0.3980, 0.3683



55.2897, 0.3816, 0.3956



55.2897, 0.3469, 0.4064

# Triad

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



55.2897, 0.3816, 0.3956



55.2897, 0.2410, 0.3160



55.2897, 0.3164, 0.2749

# Complementary

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



55.2897, 0.3816, 0.3956



36.9922, 0.2479, 0.2515

# 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.



55.2897, 0.2753, 0.2611



55.2897, 0.3816, 0.3956



55.2897, 0.2340, 0.2816

# Square

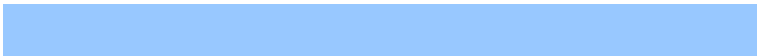
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.2897, 0.3816, 0.3956



55.2897, 0.2660, 0.3582



55.2897, 0.2461, 0.2628



55.2897, 0.3592, 0.3009



# Rectangle

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



55.2897, 0.3816, 0.3956



55.2897, 0.3188, 0.4003



55.2897, 0.2461, 0.2628



55.2897, 0.3019, 0.2688

# Sweetspot

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



55.2923, 0.3816, 0.3956



91.9219, 0.3319, 0.3492



35.6633, 0.3755, 0.2953



19.4951, 0.3342, 0.3515



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.



55.2923, 0.3816, 0.3956



72.3891, 0.3980, 0.4089



66.7372, 0.3590, 0.4280



14.5036, 0.3275, 0.3446



21.4896, 0.4918, 0.4477



1.5473, 0.4770, 0.4594



# Inverse Universe

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



36.9922, 0.2479, 0.2515



43.7770, 0.2337, 0.2321



29.3159, 0.2533, 0.2155



13.3141, 0.2981, 0.3129



5.9689, 0.1633, 0.1077



0.5414, 0.1724, 0.1407



# Previews

## White Background



This preview shows how the Yxy color 55.2897, 0.3816, 0.3956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

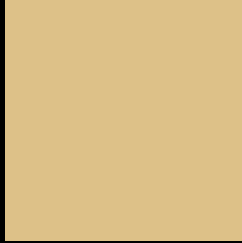
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.2897, 0.3816, 0.3956 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 55.2897, 0.3816, 0.3956**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2897, 0.3816, 0.3956.



This preview shows how white text looks on a background with the Yxy color 55.2897, 0.3816, 0.3956.

# 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

55.2897, 0.3816, 0.3956

### Protanopia

55.2830, 0.3717, 0.3997

### Deuteranopia

55.2650, 0.3945, 0.3863



## Tritanopia

55.3154, 0.3379, 0.3133

# Trichromacy



## Original Color

55.2897, 0.3816, 0.3956

## Protanomaly

55.2834, 0.3747, 0.3979

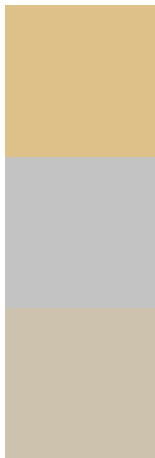
## Deuteranomaly

55.2911, 0.3891, 0.3895

## Tritanomaly

55.1086, 0.3539, 0.3429

# Monochromacy



## Original Color

55.2897, 0.3816, 0.3956

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4769, 0.3363, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2897, 0.3816, 0.3956 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(221, 193, 136)` looks like.

```
.text, #text, p{  
    color:rgb(221, 193, 136)  
}
```

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(221, 193, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 193, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2897, 0.3816, 0.3956 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(221, 193, 136) }
```

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

```
.border{ border-color:rgb(221, 193, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 193, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 193, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 193, 136);  
box-shadow:4px 4px 4px 4px rgb(221, 193,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2897, 0.3816, 0.3956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 193, 136) }
```

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

```
.background{ background-color: rgb(221,  
193, 136) }
```

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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