

# Converting Colors

Yxy(56.1838, 0.3142, 0.3633)

Have a look what the booklet for  
Yxy(56.1838, 0.3142, 0.3633)  
contains.

<b>Yxy(56.1838, 0.3142, 0.3633)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.1838, 0.3142, 0.3633)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5CCB1
RGB	181, 204, 177
RGB Percent	71%, 80%, 69%
CMY	0.2900, 0.2000, 0.3059
CMYK	0.11, 0.00, 0.13, 0.20
HSL	111°, 21%, 75%
HSV	111°, 13%, 80%
XYZ	48.5906, 56.1838, 49.8741
YIQ	194.0450, -5.0410, -13.2730

# Conversions

## Conversions Part 2

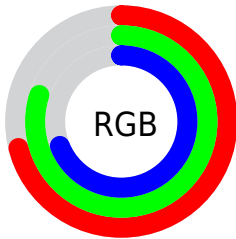
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 204, 200
Decimal	11914417
CIELab	79.72, -12.78, 10.86
CIElCh	80, 16.772, 139.642
Yxy	56.1838, 0.3142, 0.3633
Android (android.graphics.Color)	4290104497 (0xFFB5CCB1)
YUV	194.0450, -8.4032, -11.4405
Hunter-Lab	74.9559, -15.4591, 13.0187

# Details

The Yxy color **56.1838, 0.3142, 0.3633** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.0736, 0.3108, 0.2963**, and the grayscale version is **54.0341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4077, 0.3142, 0.3510**, and **27.8571, 0.3147, 0.3739** is the 20% darker color. If you saturate the color by 10%, you get **53.4643, 0.3151, 0.3927**, and if you desaturate by 10%, it is **59.2907, 0.3131, 0.3369**.

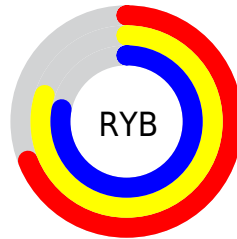
# Distribution



Red (71%)

Green (80%)

Blue (69%)



Red (69%)

Yellow (80%)

Blue (78%)

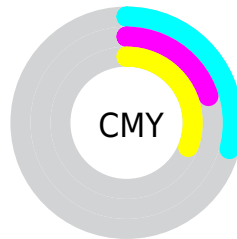


Cyan (11%)

Magenta (0%)

Yellow (13%)

Black (20%)



Cyan (29%)

Magenta (20%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1838, 0.3142, 0.3633 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 56.1838, 0.3142, 0.3633 by changing the saturation by 10% instead.





 56.1838, 0.3142,  
0.3633

 56.1838, 0.3142,  
0.3633


410.3838, 0.3137,  
0.3463

 40.3503, 0.3143,  
0.3675


 99.2733, 0.3140,  
0.3572

 27.8118, 0.3143,  
0.3728


127.2980, 0.3140,  
0.3549

 18.1838, 0.3144,  
0.3799


160.1553, 0.3139,  
0.3529

 11.0820, 0.3143,  
0.3897

198.2296, 0.3139,  
0.3512

 6.1220, 0.3140,  
0.4040

241.9051, 0.3138,  
0.3498

 2.9194, 0.3130,  
0.4271

291.5664, 0.3137,

 1.0898, 0.3212,

0.3485

0.4926

347.5979, 0.3137,  
0.3473

0.0000, 0.0000,  
0.0000

56.1838, 0.3142,  
0.3633

56.1838, 0.3142,  
0.3633

53.4643, 0.3151,  
0.3927

59.2907, 0.3131,  
0.3369

51.1101, 0.3156,  
0.4248

62.7920, 0.3119,  
0.3135

49.1077, 0.3156,  
0.4587

66.7033, 0.3106,  
0.2931

47.4399, 0.3150,  
0.4930

70.8040, 0.3117,  
0.2786

46.0884, 0.3137,  
0.5255

71.6637, 0.3151,  
0.2791

■ 45.0326, 0.3116,  
0.5540

■ 44.2497, 0.3089,  
0.5762

■ 43.7133, 0.3059,  
0.5907

■ 43.4683, 0.3040,  
0.5968

# Harmonies

## Analogous

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



56.1838, 0.3357, 0.3680



56.1838, 0.3142, 0.3633



56.1838, 0.2929, 0.3483

# Triad

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



56.1838, 0.3142, 0.3633



56.1838, 0.2752, 0.2960



56.1838, 0.3494, 0.3284

# Complementary

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



56.1838, 0.3142, 0.3633



48.0736, 0.3108, 0.2963

# 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.



56.1838, 0.3322, 0.3107



56.1838, 0.3142, 0.3633



56.1838, 0.2893, 0.2922

# Square

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



56.1838, 0.3142, 0.3633



56.1838, 0.2709, 0.3087



56.1838, 0.3100, 0.2976



56.1838, 0.3565, 0.3469



# Rectangle

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



56.1838, 0.3142, 0.3633



56.1838, 0.2815, 0.3349



56.1838, 0.3100, 0.2976



56.1838, 0.3446, 0.3222

# Sweetspot

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



56.1862, 0.3142, 0.3633



97.7526, 0.3132, 0.3389



57.2941, 0.3330, 0.3567



20.8352, 0.3133, 0.3408



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

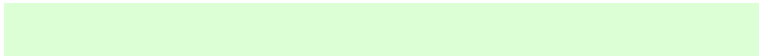


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.1862, 0.3142, 0.3633



91.6497, 0.3145, 0.3717



56.0942, 0.3045, 0.3513



12.6163, 0.3138, 0.3528



27.3862, 0.3046, 0.5964



1.4392, 0.3156, 0.5876



# Inverse Universe

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



48.0736, 0.3108, 0.2963



75.5335, 0.3103, 0.2887



48.1980, 0.3219, 0.3077



11.3153, 0.3114, 0.3060



8.3996, 0.2836, 0.1336



0.4570, 0.2913, 0.1379



# Previews

## White Background



This preview shows how the Yxy color 56.1838, 0.3142, 0.3633 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 56.1838, 0.3142, 0.3633 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

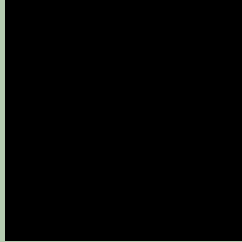
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.1838, 0.3142, 0.3633**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1838, 0.3142, 0.3633.

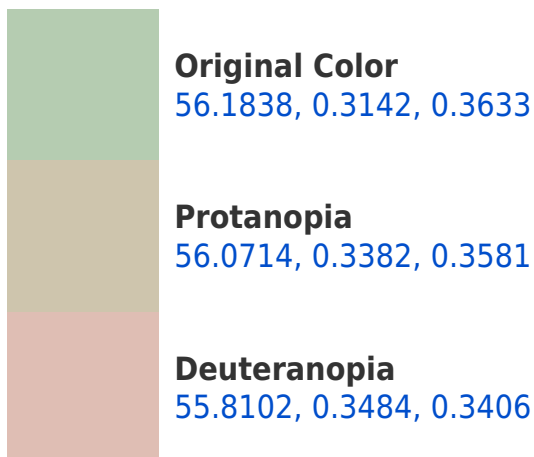


This preview shows how white text looks on a background with the Yxy color 56.1838, 0.3142, 0.3633.

# 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





## Tritanopia

56.2667, 0.2931, 0.3109

# Trichromacy



## Original Color

56.1838, 0.3142, 0.3633

## Protanomaly

56.2349, 0.3295, 0.3611

## Deuteranomaly

55.6948, 0.3356, 0.3482

## Tritanomaly

56.3046, 0.3005, 0.3290

# Monochromacy



## Original Color

56.1838, 0.3142, 0.3633

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.8378, 0.3129, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1838, 0.3142, 0.3633 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(181, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 204, 177)  
}
```

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(181, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 204, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1838, 0.3142, 0.3633 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(181, 204, 177) }
```

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

```
.border{ border-color:rgb(181, 204, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 204, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 204, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 204, 177); box-shadow:4px 4px 4px 4px rgb(181, 204, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1838, 0.3142, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 204, 177) }
```

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

```
.background{ background-color: rgb(181,  
204, 177) }
```

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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