

# Converting Colors

Yxy(58.5710, 0.3111, 0.3616)

Have a look what the booklet for  
Yxy(58.5710, 0.3111, 0.3616)  
contains.

<b>Yxy(58.4342, 0.3112, 0.3616)</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(58.4342, 0.3112, 0.3616)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6D0B6
RGB	182, 208, 182
RGB Percent	71%, 82%, 71%
CMY	0.2863, 0.1843, 0.2863
CMYK	0.13, 0.00, 0.13, 0.18
HSL	120°, 22%, 76%
HSV	120°, 13%, 82%
XYZ	50.2896, 58.4342, 52.8752
YIQ	197.2620, -7.1500, -13.5980

# Conversions

## Conversions Part 2

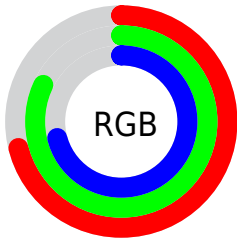
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 208, 208
Decimal	11980982
CIELab	80.98, -13.61, 10.00
CIELCh	81, 16.891, 143.685
Yxy	58.4342, 0.3112, 0.3616
Android (android.graphics.Color)	4290171062 (0xFFB6D0B6)
YUV	197.2620, -7.5242, -13.3848
Hunter-Lab	76.4423, -16.3429, 12.4986

# Details

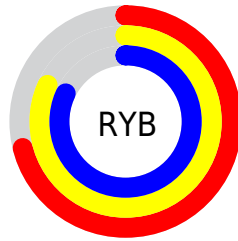
The Yxy color **58.4342, 0.3112, 0.3616** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.4121, 0.3141, 0.2984**, and the grayscale version is **56.0518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8702, 0.3119, 0.3459**, and **29.3633, 0.3107, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **55.2938, 0.3098, 0.3916**, and if you desaturate by 10%, it is **62.0830, 0.3124, 0.3351**.

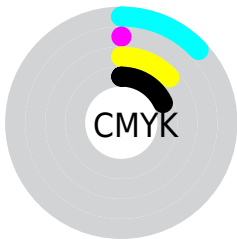
# Distribution



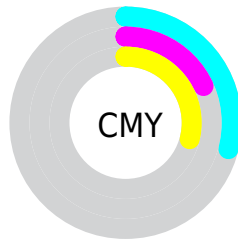
- Red (71%)
- Green (82%)
- Blue (71%)



- Red (71%)
- Yellow (82%)
- Blue (82%)



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)




- Cyan (29%)
- Magenta (18%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4342, 0.3112, 0.3616 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 58.4342, 0.3112, 0.3616 by changing the saturation by 10% instead.




 58.4342, 0.3112,  
0.3616

 58.4342, 0.3112,  
0.3616


418.8019, 0.3121,  
0.3456

 42.1578, 0.3109,  
0.3655


 102.5549, 0.3116,  
0.3558

 29.2249, 0.3106,  
0.3705


131.1680, 0.3117,  
0.3537

 19.2510, 0.3101,  
0.3771

164.6621, 0.3118,  
0.3518

 11.8518, 0.3093,  
0.3861

203.4216, 0.3119,  
0.3502

 6.6428, 0.3080,  
0.3993

247.8310, 0.3119,  
0.3488

 3.2398, 0.3056,  
0.4202

298.2746, 0.3120,

 1.2581, 0.3042,

0.3476

0.4651

355.1367, 0.3121,  
0.3465

0.1084, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.4342, 0.3112,  
0.3616

58.4342, 0.3112,  
0.3616

55.2938, 0.3098,  
0.3916

62.0830, 0.3124,  
0.3351

52.6322, 0.3083,  
0.4246

66.2534, 0.3135,  
0.3120

50.4281, 0.3066,  
0.4599

70.9675, 0.3144,  
0.2921

48.6559, 0.3049,  
0.4957

73.5945, 0.3149,  
0.2831

■ 47.2870, 0.3033,  
0.5297

■ 46.2900, 0.3020,  
0.5590

■ 45.6283, 0.3009,  
0.5811

■ 45.2583, 0.3003,  
0.5946

■ 45.1154, 0.3000,  
0.6000

# Harmonies

## Analogous

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



58.4342, 0.3329, 0.3678



58.4342, 0.3112, 0.3616



58.4342, 0.2905, 0.3456

# Triad

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



58.4342, 0.3112, 0.3616



58.4342, 0.2768, 0.2951



58.4342, 0.3508, 0.3310

# Complementary

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



58.4342, 0.3112, 0.3616



51.4121, 0.3141, 0.2984

# 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.



58.4342, 0.3348, 0.3130



58.4342, 0.3112, 0.3616



58.4342, 0.2919, 0.2926

# Square

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



58.4342, 0.3112, 0.3616



58.4342, 0.2711, 0.3067



58.4342, 0.3130, 0.2992



58.4342, 0.3562, 0.3491



# Rectangle

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



58.4342, 0.3112, 0.3616



58.4342, 0.2799, 0.3320



58.4342, 0.3130, 0.2992



58.4342, 0.3464, 0.3247

# Sweetspot

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



58.4367, 0.3112, 0.3616



97.4781, 0.3123, 0.3390



61.6908, 0.3313, 0.3592



20.7661, 0.3122, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

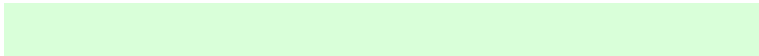


# Same Dimension

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



58.4367, 0.3112, 0.3616



91.2342, 0.3108, 0.3693



58.9781, 0.3026, 0.3456



13.2067, 0.3116, 0.3530



28.1169, 0.3000, 0.6000



1.5723, 0.3001, 0.5999



# Inverse Universe

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



51.4121, 0.3141, 0.2984



77.9719, 0.3144, 0.2918



50.8199, 0.3242, 0.3130



12.0087, 0.3138, 0.3061



11.1834, 0.3208, 0.1541



0.6254, 0.3208, 0.1541



# Previews

## White Background



This preview shows how the Yxy color 58.4342, 0.3112, 0.3616 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

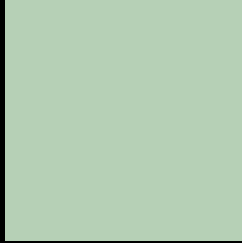
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.4342, 0.3112, 0.3616 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

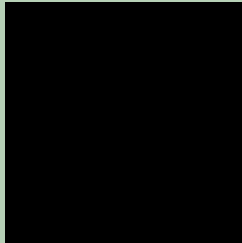
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

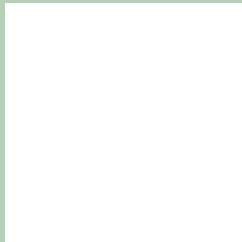
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.4342, 0.3112, 0.3616**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.4342, 0.3112, 0.3616.

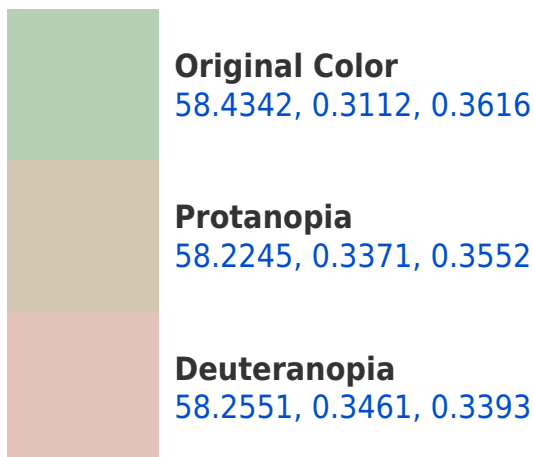


This preview shows how white text looks on a background with the Yxy color 58.4342, 0.3112, 0.3616.

# 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

58.5177, 0.2907, 0.3099

# Trichromacy



## Original Color

58.4342, 0.3112, 0.3616

## Protanomaly

58.2459, 0.3278, 0.3581

## Deuteranomaly

58.0092, 0.3327, 0.3468

## Tritanomaly

58.5580, 0.2979, 0.3277

# Monochromacy



## Original Color

58.4342, 0.3112, 0.3616

## Achromatopsia

55.8340, 0.3127, 0.3290

## Achromatomaly

56.7855, 0.3122, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.4342, 0.3112, 0.3616 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(182, 208, 182)` looks like.

```
.text, #text, p{  
    color:rgb(182, 208, 182)  
}
```

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(182, 208, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 208, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 58.4342, 0.3112, 0.3616 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(182, 208, 182) }
```

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

```
.border{ border-color:rgb(182, 208, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 208, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 208, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 208, 182);  
box-shadow:4px 4px 4px 4px rgb(182, 208,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.4342, 0.3112, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 208, 182) }
```

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

```
.background{ background-color: rgb(182,  
208, 182) }
```

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