

# Converting Colors

$Yxy(58.2516, 0.2891, 0.3541)$

Have a look what the booklet for  
Yxy(58.2516, 0.2891, 0.3541)  
contains.

<b>Yxy(58.3663, 0.2890, 0.3547)</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(58.3663, 0.2890, 0.3547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0D4C0
RGB	160, 212, 192
RGB Percent	63%, 83%, 75%
CMY	0.3725, 0.1686, 0.2470
CMYK	0.25, 0.00, 0.09, 0.17
HSL	157°, 38%, 73%
HSV	157°, 25%, 83%
XYZ	47.5553, 58.3663, 58.6296
YIQ	194.1720, -24.5720, -17.2440

# Conversions

## Conversions Part 2

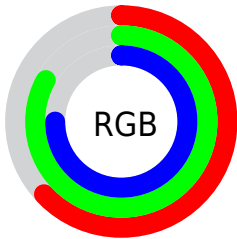
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 192, 212
Decimal	10540224
CIELab	80.94, -20.91, 4.43
CIELCh	81, 21.379, 168.038
Yxy	58.3663, 0.2890, 0.3547
Android (android.graphics.Color)	4288730304 (0xFFA0D4C0)
YUV	194.1720, -1.0708, -29.9688
Hunter-Lab	76.3978, -22.5855, 7.9779

# Details

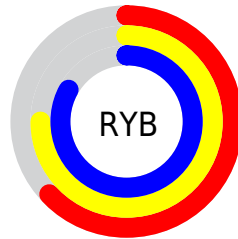
The Yxy color **58.3663, 0.2890, 0.3547** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.4354, 0.3445, 0.3048**, and the grayscale version is **54.0746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8962, 0.2931, 0.3361**, and **29.1038, 0.2822, 0.3605** is the 20% darker color. If you saturate the color by 10%, you get **56.0153, 0.2804, 0.3670**, and if you desaturate by 10%, it is **61.1147, 0.2984, 0.3434**.

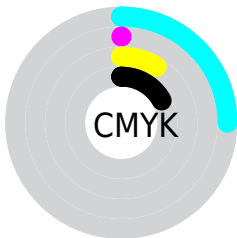
# Distribution



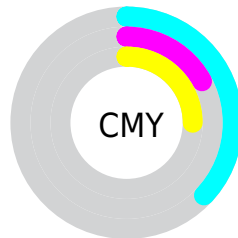
- Red (63%)
- Green (83%)
- Blue (75%)



- Red (63%)
- Yellow (75%)
- Blue (83%)



- Cyan (25%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)



- Cyan (37%)
- Magenta (17%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3663, 0.2890, 0.3547 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 58.3663, 0.2890, 0.3547 by changing the saturation by 10% instead.




 58.3663, 0.2890,  
0.3547


 58.3663, 0.2890,  
0.3547


418.5495, 0.3005,  
0.3421

 42.1032, 0.2862,  
0.3578


 102.4561, 0.2931,  
0.3502

 29.1821, 0.2827,  
0.3617


 131.0516, 0.2947,  
0.3485

 19.2186, 0.2782,  
0.3668


164.5266, 0.2960,  
0.3470

 11.8284, 0.2719,  
0.3738

203.2657, 0.2972,  
0.3458

 6.6269, 0.2630,  
0.3839

247.6531, 0.2982,  
0.3447

 3.2299, 0.2492,  
0.4000

298.0732, 0.2990,

 1.2529, 0.2207,

0.3437

0.4315

354.9106, 0.2998,  
0.3429

0.1043, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.3663, 0.2890,  
0.3547

58.3663, 0.2890,  
0.3547

56.0153, 0.2804,  
0.3670

61.1147, 0.2984,  
0.3434

54.0352, 0.2728,  
0.3802


64.2712, 0.3082,  
0.3333


52.4077, 0.2666,  
0.3943


67.8549, 0.3182,  
0.3241

51.1096, 0.2621,  
0.4089


71.8817, 0.3283,  
0.3160


 50.1152, 0.2594,  
0.4239


 74.2192, 0.3301,  
0.3083

 49.3946, 0.2588,  
0.4389

 74.6955, 0.3243,  
0.3004

 48.9115, 0.2602,  
0.4536

 75.1936, 0.3187,  
0.2926

 48.7132, 0.2615,  
0.4615

 75.5690, 0.3147,  
0.2871

# Harmonies

## Analogous

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



58.3663, 0.3158, 0.3733



58.3663, 0.2890, 0.3547



58.3663, 0.2690, 0.3288

# Triad

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



58.3663, 0.2890, 0.3547



58.3663, 0.2820, 0.2831



58.3663, 0.3679, 0.3499

# Complementary

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



58.3663, 0.2890, 0.3547



42.4354, 0.3445, 0.3048

# 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.



58.3663, 0.3581, 0.3267



58.3663, 0.2890, 0.3547



58.3663, 0.3076, 0.2894

# Square

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



58.3663, 0.2890, 0.3547



58.3663, 0.2652, 0.2881



58.3663, 0.3357, 0.3050



58.3663, 0.3620, 0.3690



# Rectangle

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



58.3663, 0.2890, 0.3547



58.3663, 0.2619, 0.3118



58.3663, 0.3357, 0.3050



58.3663, 0.3663, 0.3423

# Sweetspot

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



58.3687, 0.2890, 0.3547



96.3360, 0.3057, 0.3358



59.4271, 0.3250, 0.3949



20.5555, 0.3050, 0.3364



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

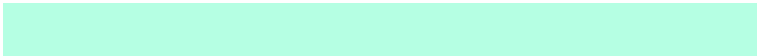


# Same Dimension

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



58.3687, 0.2890, 0.3547



86.8715, 0.2848, 0.3605



56.7581, 0.2763, 0.3223



14.0231, 0.3033, 0.3381



30.0920, 0.2610, 0.4595



1.8310, 0.2540, 0.4343



# Inverse Universe

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



42.4354, 0.3445, 0.3048



58.9560, 0.3526, 0.2998



43.5191, 0.3623, 0.3356



12.4991, 0.3231, 0.3201



9.0310, 0.5426, 0.2763



0.5606, 0.4960, 0.2506



# Previews

## White Background



This preview shows how the Yxy color 58.3663, 0.2890, 0.3547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

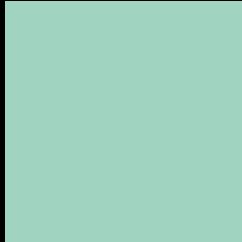
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3663, 0.2890, 0.3547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

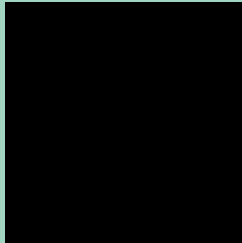
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

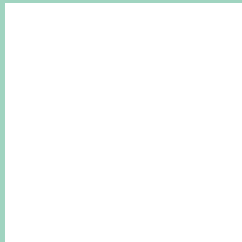
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.3663, 0.2890, 0.3547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3663, 0.2890, 0.3547.



This preview shows how white text looks on a background with the Yxy color 58.3663, 0.2890, 0.3547.

# 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

58.3663, 0.2890, 0.3547

### Protanopia

58.0767, 0.3294, 0.3469

### Deuteranopia

57.9412, 0.3332, 0.3268



## Tritanopia

58.1145, 0.2730, 0.3081

# Trichromacy



## Original Color

58.3663, 0.2890, 0.3547

## Protanomaly

57.7637, 0.3133, 0.3487

## Deuteranomaly

57.8555, 0.3155, 0.3362

## Tritanomaly

58.2469, 0.2791, 0.3252

# Monochromacy



## Original Color

58.3663, 0.2890, 0.3547

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

55.5686, 0.3038, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3663, 0.2890, 0.3547 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(160, 212, 192)` looks like.

```
.text, #text, p{  
    color:rgb(160, 212, 192)  
}
```

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(160, 212, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 212, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3663, 0.2890, 0.3547 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(160, 212, 192) }
```

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

```
.border{ border-color:rgb(160, 212, 192) }
```

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

Here you see how a box with a 4 pixel rgb(160, 212, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 212, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 212, 192);  
box-shadow:4px 4px 4px 4px rgb(160, 212,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3663, 0.2890, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 212, 192) }
```

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

```
.background{ background-color: rgb(160,  
212, 192) }
```

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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