

# Converting Colors

$Yxy(58.9130, 0.2761, 0.3589)$

Have a look what the booklet for  
Yxy(58.9130, 0.2761, 0.3589)  
contains.

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# Color

**Yxy(59.1835, 0.2763, 0.3592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DD9C2
RGB	141, 217, 194
RGB Percent	55%, 85%, 76%
CMY	0.4473, 0.1489, 0.2393
CMYK	0.35, 0.00, 0.11, 0.15
HSL	162°, 50%, 70%
HSV	162°, 35%, 85%
XYZ	45.5245, 59.1835, 60.0568
YIQ	191.6540, -37.9130, -23.2650

# Conversions

## Conversions Part 2

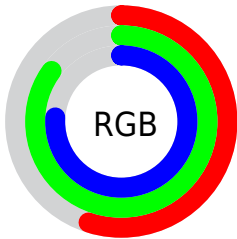
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 186, 217
Decimal	9296322
CIELab	81.39, -28.59, 3.90
CIELCh	81, 28.853, 172.236
Yxy	59.1835, 0.2763, 0.3592
Android (android.graphics.Color)	4287486402 (0xFF8DD9C2)
YUV	191.6540, 1.1566, -44.4236
Hunter-Lab	76.9308, -28.9999, 7.5663

# Details

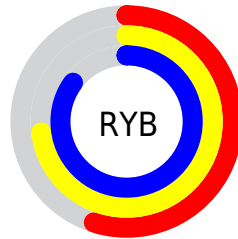
The Yxy color **59.1835, 0.2763, 0.3592** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.4614, 0.3703, 0.3012**, and the grayscale version is **52.5016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2924, 0.2814, 0.3342**, and **29.7603, 0.2673, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **57.1789, 0.2680, 0.3695**, and if you desaturate by 10%, it is **61.5786, 0.2858, 0.3496**.

# Distribution



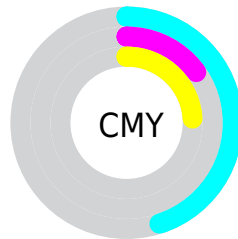
- Red (55%)
- Green (85%)
- Blue (76%)



- Red (55%)
- Yellow (73%)
- Blue (85%)



- Cyan (35%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)




- Cyan (45%)
- Magenta (15%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1835, 0.2763, 0.3592 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 59.1835, 0.2763, 0.3592 by changing the saturation by 10% instead.




 59.1835, 0.2763,  
0.3592


 59.1835, 0.2763,  
0.3592


421.5816, 0.2939,  
0.3445

 42.7609, 0.2721,  
0.3628


 103.6443, 0.2825,  
0.3539

 29.6975, 0.2668,  
0.3673


 132.4513, 0.2849,  
0.3519

 19.6091, 0.2600,  
0.3732

166.1551, 0.2870,  
0.3502

 12.1112, 0.2507,  
0.3813

205.1403, 0.2887,  
0.3488

 6.8195, 0.2376,  
0.3929

249.7911, 0.2902,  
0.3475

 3.3495, 0.2175,  
0.4112

300.4920, 0.2916,

 1.3168, 0.1712,

0.3464

0.4502

357.6274, 0.2928,  
0.3454

■ 0.1541, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1835, 0.2763,  
0.3592

■ 59.1835, 0.2763,  
0.3592

■ 57.1789, 0.2680,  
0.3695

■ 61.5786, 0.2858,  
0.3496

■ 55.5355, 0.2611,  
0.3803

■ 64.3773, 0.2961,  
0.3408

■ 54.2314, 0.2560,  
0.3916

■ 67.6008, 0.3071,  
0.3328

■ 53.2393, 0.2528,  
0.4032

■ 71.2666, 0.3183,  
0.3255

■ 52.5274, 0.2517,  
0.4148

■ 75.3915, 0.3296,  
0.3191

■ 52.0568, 0.2524,  
0.4262

■ 76.8008, 0.3291,  
0.3127

■ 51.8805, 0.2533,  
0.4318

■ 77.1840, 0.3246,  
0.3063

■ 77.5814, 0.3201,  
0.3000

■ 77.9931, 0.3157,  
0.2938

# Harmonies

## Analogous

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



59.1835, 0.3111, 0.3870



59.1835, 0.2763, 0.3592



59.1835, 0.2521, 0.3230

# Triad

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



59.1835, 0.2763, 0.3592



59.1835, 0.2758, 0.2687



59.1835, 0.3872, 0.3599

# Complementary

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



59.1835, 0.2763, 0.3592



36.4614, 0.3703, 0.3012

# 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.



59.1835, 0.3770, 0.3296



59.1835, 0.2763, 0.3592



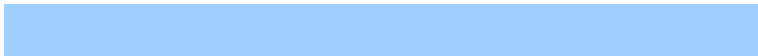
59.1835, 0.3108, 0.2790

# Square

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



59.1835, 0.2763, 0.3592



59.1835, 0.2519, 0.2725



59.1835, 0.3484, 0.3008



59.1835, 0.3760, 0.3847



# Rectangle

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



59.1835, 0.2763, 0.3592



59.1835, 0.2445, 0.3008



59.1835, 0.3484, 0.3008



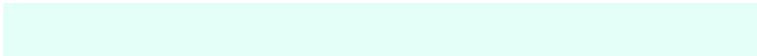
59.1835, 0.3862, 0.3501

# Sweetspot

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



59.1859, 0.2763, 0.3592



94.5280, 0.3004, 0.3375



59.5576, 0.3248, 0.4285



20.1000, 0.2989, 0.3386



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

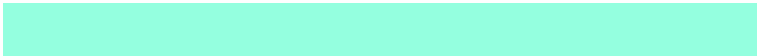


# Same Dimension

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



59.1859, 0.2763, 0.3592



83.1121, 0.2701, 0.3667



53.4110, 0.2611, 0.3107



14.7589, 0.3022, 0.3362



31.4194, 0.2528, 0.4302



2.0505, 0.2477, 0.4116



# Inverse Universe

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



36.4614, 0.3703, 0.3012



45.7164, 0.3881, 0.2953



40.0772, 0.3899, 0.3463



13.1161, 0.3244, 0.3219



9.1821, 0.5742, 0.2937



0.6099, 0.5274, 0.2679



# Previews

## White Background



This preview shows how the Yxy color 59.1835, 0.2763, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

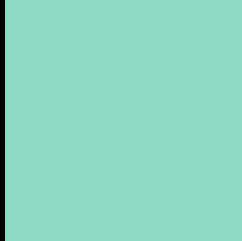
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.1835, 0.2763, 0.3592 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

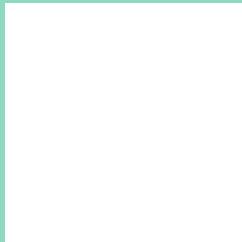
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.1835, 0.2763, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.1835, 0.2763, 0.3592.

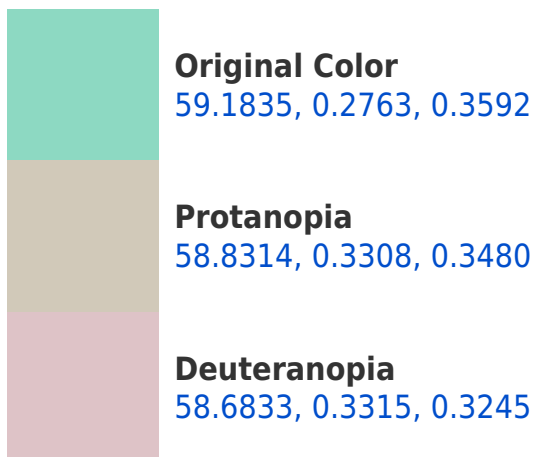


This preview shows how white text looks on a background with the Yxy color 59.1835, 0.2763, 0.3592.

# 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

59.1337, 0.2607, 0.3078

# Trichromacy



## Original Color

59.1835, 0.2763, 0.3592



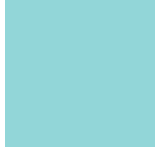
## Protanomaly

58.4468, 0.3086, 0.3526



## Deuteranomaly

58.0805, 0.3093, 0.3363



## Tritanomaly

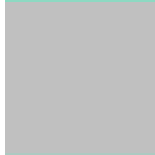
59.1620, 0.2664, 0.3263

# Monochromacy



## Original Color

59.1835, 0.2763, 0.3592



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.5078, 0.2971, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.1835, 0.2763, 0.3592 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(141, 217, 194)` looks like.

```
.text, #text, p{  
    color:rgb(141, 217, 194)  
}
```

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(141, 217, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 217, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 59.1835, 0.2763, 0.3592 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(141, 217, 194) }
```

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

```
.border{ border-color:rgb(141, 217, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 217, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 217, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 217, 194);  
box-shadow:4px 4px 4px 4px rgb(141, 217,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.1835, 0.2763, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 217, 194) }
```

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

```
.background{ background-color: rgb(141,  
217, 194) }
```

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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