

# Converting Colors

$Yxy(59.7697, 0.2637, 0.3341)$

Have a look what the booklet for  
Yxy(59.7697, 0.2637, 0.3341)  
contains.

<b>Yxy(59.7482, 0.2635, 0.3340)</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(59.7482, 0.2635, 0.3340)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89D9D5
RGB	137, 217, 213
RGB Percent	54%, 85%, 84%
CMY	0.4628, 0.1490, 0.1647
CMYK	0.37, 0.00, 0.02, 0.15
HSL	177°, 51%, 69%
HSV	177°, 37%, 85%
XYZ	47.1367, 59.7482, 72.0019
YIQ	192.6240, -46.3960, -18.2040

# Conversions

## Conversions Part 2

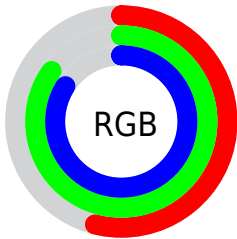
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">137, 178, 217</a>
Decimal	<a href="#">9034197</a>
CIELab	<a href="#">81.70, -25.35, -5.79</a>
CIElCh	<a href="#">82, 26.009, 192.872</a>
Yxy	<a href="#">59.7482, 0.2635, 0.3340</a>
Android (android.graphics.Color)	<a href="#">4287224277</a> ( <a href="#">0xFF89D9D5</a> )
YUV	<a href="#">192.6240, 10.0454, -48.7822</a>
Hunter-Lab	<a href="#">77.2970, -26.4181, -1.1206</a>

# Details

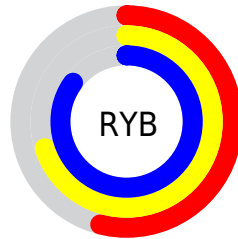
The Yxy color **59.7482, 0.2635, 0.3340** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5597, 0.3976, 0.3243**, and the grayscale version is **53.0548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **30.1031, 0.2518, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **58.0428, 0.2532, 0.3356**, and if you desaturate by 10%, it is **61.8275, 0.2753, 0.3325**.

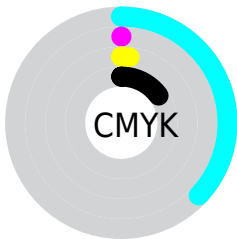
# Distribution



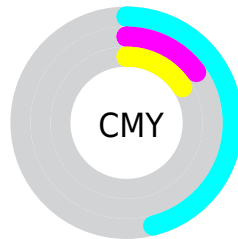
- Red (54%)
- Green (85%)
- Blue (84%)



- Red (54%)
- Yellow (70%)
- Blue (85%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)




- Cyan (46%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.7482, 0.2635, 0.3340 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 59.7482, 0.2635, 0.3340 by changing the saturation by 10% instead.




 59.7482, 0.2635,  
0.3340


 59.7482, 0.2635,  
0.3340


423.6690, 0.2868,  
0.3320

 43.2157, 0.2581,  
0.3344

 104.4643, 0.2717,  
0.3334

 30.0544, 0.2513,  
0.3348


 133.4167, 0.2748,  
0.3331

 19.8799, 0.2426,  
0.3353


 167.2779, 0.2775,  
0.3329

 12.3078, 0.2311,  
0.3357

206.4322, 0.2799,  
0.3326

 6.9536, 0.2152,  
0.3360

251.2641, 0.2819,  
0.3325

 3.4331, 0.1919,  
0.3358

302.1579, 0.2837,

 1.3618, 0.1506,

0.3323

359.4981, 0.2853,  
0.3321

0.3350

0.1883, 0.0000,  
0.2359

0.0000, 0.0000,  
0.0000

59.7482, 0.2635,  
0.3340

59.7482, 0.2635,  
0.3340

58.0428, 0.2532,  
0.3356

61.8275, 0.2753,  
0.3325

56.6820, 0.2446,  
0.3372

64.2939, 0.2885,  
0.3311

55.6434, 0.2380,  
0.3388

67.1687, 0.3026,  
0.3298

54.8993, 0.2333,  
0.3405

70.4696, 0.3174,  
0.3286

■ 54.4169, 0.2304,  
0.3422

■ 74.2133, 0.3326,  
0.3276

■ 54.1539, 0.2292,  
0.3438

■ 76.0316, 0.3389,  
0.3266

■ 54.0937, 0.2290,  
0.3443

■ 76.0892, 0.3381,  
0.3255

■ 76.1471, 0.3374,  
0.3244

■ 76.2053, 0.3366,  
0.3233

# Harmonies

## Analogous

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



59.7482, 0.2891, 0.3651



59.7482, 0.2635, 0.3340



59.7482, 0.2509, 0.3034

# Triad

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



59.7482, 0.2635, 0.3340



59.7482, 0.3006, 0.2795



59.7482, 0.3747, 0.3734

# Complementary

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



59.7482, 0.2635, 0.3340



34.5597, 0.3976, 0.3243

# 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.



59.7482, 0.3787, 0.3489



59.7482, 0.2635, 0.3340



59.7482, 0.3347, 0.2965

# Square

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



59.7482, 0.2635, 0.3340



59.7482, 0.2714, 0.2741



59.7482, 0.3639, 0.3212



59.7482, 0.3535, 0.3877



# Rectangle

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



59.7482, 0.2635, 0.3340



59.7482, 0.2511, 0.2878



59.7482, 0.3639, 0.3212



59.7482, 0.3781, 0.3660

# Sweetspot

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



59.7506, 0.2635, 0.3340



94.9727, 0.2965, 0.3304



57.2136, 0.3111, 0.4390



20.2066, 0.2946, 0.3305



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.



59.7506, 0.2635, 0.3340



84.2057, 0.2556, 0.3352



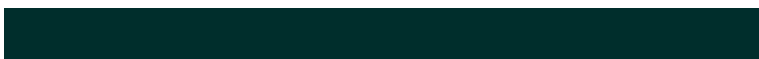
43.9165, 0.2547, 0.2823



14.8177, 0.2989, 0.3301



32.7475, 0.2289, 0.3441



2.1251, 0.2282, 0.3414



# Inverse Universe

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



34.5597, 0.3976, 0.3243



42.9961, 0.4244, 0.3235



45.9327, 0.3864, 0.3712



13.0620, 0.3284, 0.3279



8.9489, 0.6344, 0.3268

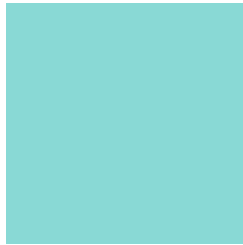


0.5836, 0.6177, 0.3177



# Previews

## White Background



This preview shows how the Yxy color 59.7482, 0.2635, 0.3340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

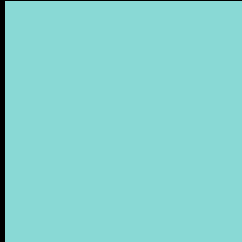
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.7482, 0.2635, 0.3340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

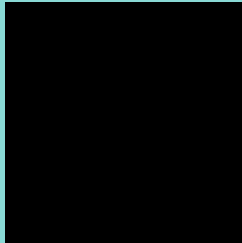
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

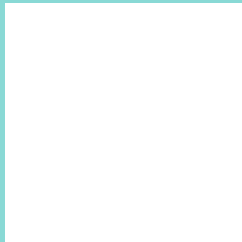
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.7482, 0.2635, 0.3340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.7482, 0.2635, 0.3340.

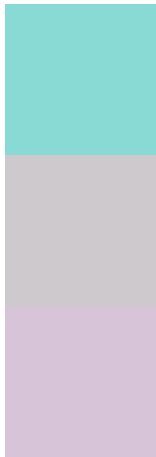


This preview shows how white text looks on a background with the Yxy color 59.7482, 0.2635, 0.3340.

# 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

59.7482, 0.2635, 0.3340

### Protanopia

59.1121, 0.3137, 0.3255

### Deuteranopia

58.9367, 0.3123, 0.3053



## Tritanopia

59.6134, 0.2562, 0.3077

# Trichromacy



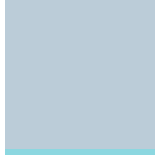
## Original Color

59.7482, 0.2635, 0.3340



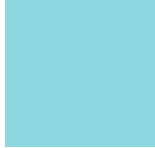
## Protanomaly

58.8339, 0.2930, 0.3289



## Deuteranomaly

58.7084, 0.2919, 0.3146



## Tritanomaly

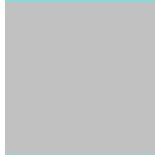
59.5581, 0.2589, 0.3175

# Monochromacy



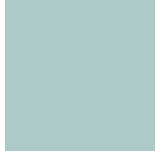
## Original Color

59.7482, 0.2635, 0.3340



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

55.2954, 0.2924, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.7482, 0.2635, 0.3340 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(137, 217, 213)` looks like.

```
.text, #text, p{  
    color:rgb(137, 217, 213)  
}
```

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(137, 217, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 217, 213) }
```

## Border

The CSS property to change the border of an element to Yxy 59.7482, 0.2635, 0.3340 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(137, 217, 213) }
```

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

```
.border{ border-color:rgb(137, 217, 213) }
```

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

Here you see how a box with a 4 pixel rgb(137, 217, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 217, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 217, 213);  
box-shadow:4px 4px 4px 4px rgb(137, 217,  
213) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.7482, 0.2635, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 217, 213) }
```

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

```
.background{ background-color: rgb(137,  
217, 213) }
```

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