

# Converting Colors

$Yxy(65.5904, 0.2579, 0.4198)$

Have a look what the booklet for  
Yxy(65.5904, 0.2579, 0.4198)  
contains.

<b>Yxy(65.7811, 0.2578, 0.4195)</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(65.7811, 0.2578, 0.4195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3DEFAE
RGB	61, 239, 174
RGB Percent	24%, 94%, 68%
CMY	0.7611, 0.0627, 0.3177
CMYK	0.75, 0.00, 0.27, 0.06
HSL	158°, 85%, 59%
HSV	158°, 75%, 94%
XYZ	40.4252, 65.7811, 50.6021
YIQ	178.3680, -85.2230, -57.9510

# Conversions

## Conversions Part 2

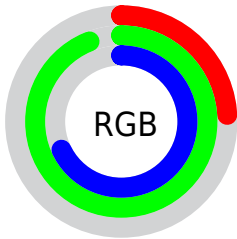
Format	Color
<a href="#">RYB</a>	<a href="#">61, 170, 239</a>
Decimal	<a href="#">4059054</a>
CIELab	<a href="#">84.88, -58.83, 19.02</a>
CIELCh	<a href="#">85, 61.829, 162.082</a>
Yxy	<a href="#">65.7811, 0.2578, 0.4195</a>
Android (android.graphics.Color)	<a href="#">4282249134 (0xFF3DEFAE)</a>
YUV	<a href="#">178.3680, -2.1534, -102.9317</a>
Hunter-Lab	<a href="#">81.1055, -52.9655, 19.7826</a>

# Details

The Yxy color **65.7811, 0.2578, 0.4195** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **23.1850, 0.4757, 0.2688**, and the grayscale version is **44.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2197, 0.2602, 0.3582**, and **34.8364, 0.2562, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **64.8586, 0.2571, 0.4338**, and if you desaturate by 10%, it is **67.0684, 0.2605, 0.4052**.

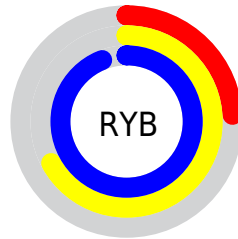
# Distribution



Red (24%)

Green (94%)

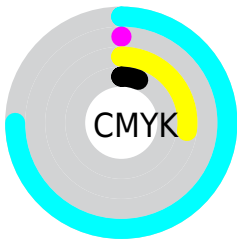
Blue (68%)



Red (24%)

Yellow (67%)

Blue (94%)

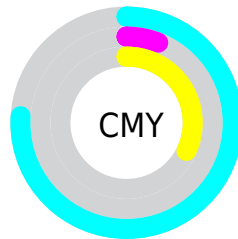


Cyan (75%)

Magenta (0%)

Yellow (27%)

Black (6%)



Cyan (76%)

Magenta (6%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7811, 0.2578, 0.4195 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 65.7811, 0.2578, 0.4195 by changing the saturation by 10% instead.




 65.7811, 0.2578,  
0.4195

 65.7811, 0.2578,  
0.4195


445.5936, 0.2848,  
0.3743


 48.0947, 0.2512,  
0.4307


 113.1721, 0.2675,  
0.4031


 33.9019, 0.2429,  
0.4450


 143.6455, 0.2712,  
0.3970

 22.8183, 0.2321,  
0.4639


 179.1501, 0.2743,  
0.3917

 14.4594, 0.2174,  
0.4898

 220.0701, 0.2770,  
0.3873

 8.4408, 0.1965,  
0.5276

266.7901, 0.2793,  
0.3834

 4.3783, 0.1648,  
0.5866

319.6944, 0.2814,

 1.8874, 0.0524,

0.3800

0.7605

379.1675, 0.2832,  
0.3770

0.5408, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.7811, 0.2578,  
0.4195

65.7811, 0.2578,  
0.4195

64.8586, 0.2571,  
0.4338

67.0684, 0.2605,  
0.4052


64.2438, 0.2585,  
0.4478


68.7529, 0.2652,  
0.3913


63.9978, 0.2598,  
0.4554


70.8719, 0.2716,  
0.3779


73.4564, 0.2793,  
0.3653

 76.5341, 0.2882,  
0.3535

 80.1309, 0.2979,  
0.3428

 84.2707, 0.3080,  
0.3331

 88.9757, 0.3184,  
0.3243

 90.0605, 0.3150,  
0.3160

# Harmonies

## Analogous

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



65.7811, 0.3292, 0.4677



65.7811, 0.2578, 0.4195



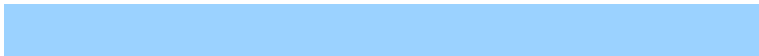
65.7811, 0.2051, 0.3382

# Triad

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



65.7811, 0.2578, 0.4195



65.7811, 0.2207, 0.2127



65.7811, 0.4644, 0.3616

# Complementary

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



65.7811, 0.2578, 0.4195



23.1850, 0.4757, 0.2688

# 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.



65.7811, 0.4298, 0.3060



65.7811, 0.2578, 0.4195



65.7811, 0.2809, 0.2249

# Square

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



65.7811, 0.2578, 0.4195



65.7811, 0.1872, 0.2252



65.7811, 0.3587, 0.2579



65.7811, 0.4510, 0.4173



# Rectangle

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



65.7811, 0.2578, 0.4195



65.7811, 0.1860, 0.2877



65.7811, 0.3587, 0.2579



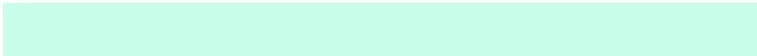
65.7811, 0.4582, 0.3427

# Sweetspot

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



65.7837, 0.2578, 0.4195



89.6188, 0.2905, 0.3508



66.5269, 0.3307, 0.5454



18.9534, 0.2880, 0.3539



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.



65.7837, 0.2578, 0.4195



74.7515, 0.2575, 0.4406



55.9570, 0.2226, 0.2975



17.8253, 0.3030, 0.3378



35.3892, 0.2592, 0.4532



2.9631, 0.2541, 0.4349



# Inverse Universe

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



23.1850, 0.4757, 0.2688



23.2386, 0.5243, 0.2737



25.1315, 0.5512, 0.3493



15.8542, 0.3236, 0.3204



10.5467, 0.5517, 0.2813

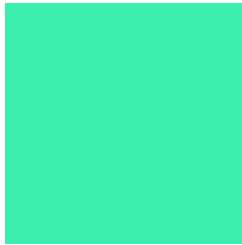


0.8959, 0.5156, 0.2614



# Previews

## White Background



This preview shows how the Yxy color 65.7811, 0.2578, 0.4195 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 65.7811, 0.2578, 0.4195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

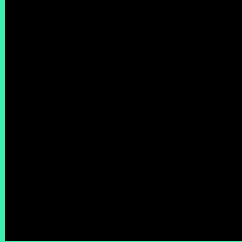
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7811, 0.2578, 0.4195**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7811, 0.2578, 0.4195.

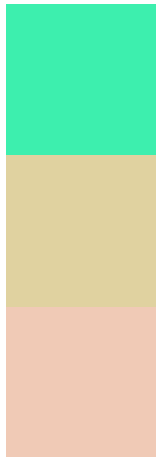


This preview shows how white text looks on a background with the Yxy color 65.7811, 0.2578, 0.4195.

# 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

65.7811, 0.2578, 0.4195

### Protanopia

64.4785, 0.3598, 0.3858

### Deuteranopia

64.1437, 0.3583, 0.3508



## Tritanopia

65.3027, 0.2328, 0.3053

# Trichromacy



## Original Color

65.7811, 0.2578, 0.4195



## Protanomaly

62.4288, 0.3093, 0.4009



## Deuteranomaly

60.9695, 0.3077, 0.3744



## Tritanomaly

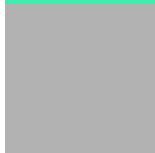
65.3373, 0.2412, 0.3444

# Monochromacy



## Original Color

65.7811, 0.2578, 0.4195



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

49.6338, 0.2809, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7811, 0.2578, 0.4195 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(61, 239, 174)` looks like.

```
.text, #text, p{  
    color:rgb(61, 239, 174)  
}
```

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(61, 239, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 239, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7811, 0.2578, 0.4195 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(61, 239, 174) }
```

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

```
.border{ border-color:rgb(61, 239, 174) }
```

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

Here you see how a box with a 4 pixel rgb(61, 239, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 239, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 239, 174);  
box-shadow:4px 4px 4px 4px rgb(61, 239,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7811, 0.2578, 0.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 239, 174) }
```

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

```
.background{ background-color: rgb(61, 239,  
174) }
```

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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