

# Converting Colors

$Yxy(61.4800, 0.2539, 0.3678)$

Have a look what the booklet for  
Yxy(61.4800, 0.2539, 0.3678)  
contains.

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# Color

**Yxy(61.4483, 0.2540, 0.3682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FE3C6
RGB	95, 227, 198
RGB Percent	37%, 89%, 78%
CMY	0.6270, 0.1098, 0.2235
CMYK	0.58, 0.00, 0.13, 0.11
HSL	167°, 70%, 63%
HSV	167°, 58%, 89%
XYZ	42.3896, 61.4483, 63.0504
YIQ	184.2260, -69.3630, -37.0030

# Conversions

## Conversions Part 2

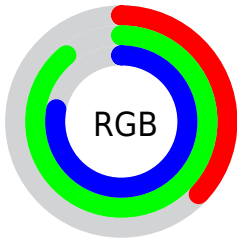
Format	Color
<b>RYB</b>	95, 169, 227
Decimal	6284230
CIELab	82.62, -43.07, 3.33
CIElCh	83, 43.199, 175.577
Yxy	61.4483, 0.2540, 0.3682
Android (android.graphics.Color)	4284474310 (0xFF5FE3C6)
YUV	184.2260, 6.7906, -78.2512
Hunter-Lab	78.3890, -40.6550, 7.1837

# Details

The Yxy color **61.4483, 0.2540, 0.3682** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted cyan. A complement of this color would be **25.9931, 0.4508, 0.2972**, and the grayscale version is **48.0718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **31.1846, 0.2394, 0.3792** is the 20% darker color. If you saturate the color by 10%, you get **60.1788, 0.2488, 0.3762**, and if you desaturate by 10%, it is **63.0844, 0.2610, 0.3604**.

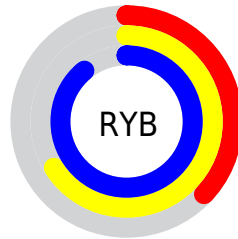
# Distribution



Red (37%)

Green (89%)

Blue (78%)



Red (37%)

Yellow (66%)

Blue (89%)

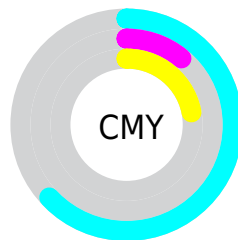


Cyan (58%)

Magenta (0%)

Yellow (13%)

Black (11%)



Cyan (63%)

Magenta (11%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4483, 0.2540, 0.3682 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 61.4483, 0.2540, 0.3682 by changing the saturation by 10% instead.




 61.4483, 0.2540,  
0.3682

 61.4483, 0.2540,  
0.3682


429.9158, 0.2820,  
0.3493

 44.5871, 0.2474,  
0.3727


 106.9278, 0.2639,  
0.3615

 31.1323, 0.2392,  
0.3784


 136.3148, 0.2676,  
0.3589

 20.6996, 0.2287,  
0.3858


 170.6459, 0.2709,  
0.3567

 12.9046, 0.2147,  
0.3957

 210.3054, 0.2737,  
0.3548

 7.3629, 0.1953,  
0.4097

255.6777, 0.2762,  
0.3532

 3.6901, 0.1668,  
0.4309

307.1473, 0.2783,

 1.5017, 0.0890,

0.3517

0.4838

365.0986, 0.2802,  
0.3504

0.2900, 0.0000,  
0.7779

0.0000, 0.0000,  
0.0000

61.4483, 0.2540,  
0.3682

61.4483, 0.2540,  
0.3682

60.1788, 0.2488,  
0.3762

63.0844, 0.2610,  
0.3604

59.2370, 0.2456,  
0.3844


65.1078, 0.2697,  
0.3530

58.5877, 0.2443,  
0.3925

67.5462, 0.2797,  
0.3459

58.1781, 0.2449,  
0.4006


70.4226, 0.2908,  
0.3394

 58.1122, 0.2450,  
0.4021

 73.7584, 0.3027,  
0.3334

 77.5735, 0.3151,  
0.3280

 81.8867, 0.3277,  
0.3232

 82.3631, 0.3251,  
0.3183

 82.6604, 0.3218,  
0.3134

# Harmonies

## Analogous

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



61.4483, 0.3027, 0.4141



61.4483, 0.2540, 0.3682



61.4483, 0.2226, 0.3125

# Triad

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



61.4483, 0.2540, 0.3682



61.4483, 0.2635, 0.2437



61.4483, 0.4223, 0.3757

# Complementary

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



61.4483, 0.2540, 0.3682



25.9931, 0.4508, 0.2972

# 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.



61.4483, 0.4115, 0.3328



61.4483, 0.2540, 0.3682



61.4483, 0.3152, 0.2605

# Square

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



61.4483, 0.2540, 0.3682



61.4483, 0.2280, 0.2456



61.4483, 0.3708, 0.2921



61.4483, 0.4010, 0.4122



# Rectangle

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



61.4483, 0.2540, 0.3682



61.4483, 0.2141, 0.2811



61.4483, 0.3708, 0.2921



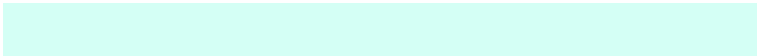
61.4483, 0.4224, 0.3616

# Sweetspot

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



61.4507, 0.2540, 0.3682



92.0863, 0.2920, 0.3388



60.1898, 0.3210, 0.5067



19.5355, 0.2897, 0.3401



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.



61.4507, 0.2540, 0.3682



78.0222, 0.2479, 0.3781



45.6076, 0.2302, 0.2806



16.2793, 0.3011, 0.3342



33.9117, 0.2447, 0.4009



2.5194, 0.2414, 0.3891



# Inverse Universe

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



25.9931, 0.4508, 0.2972



27.7531, 0.4996, 0.2950



33.1987, 0.4639, 0.3688



14.4196, 0.3258, 0.3239



9.6724, 0.6015, 0.3087

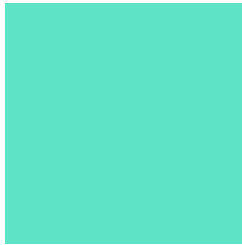


0.7285, 0.5609, 0.2864



# Previews

## White Background



This preview shows how the Yxy color 61.4483, 0.2540, 0.3682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

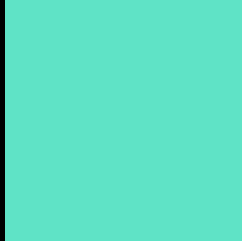
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.4483, 0.2540, 0.3682 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

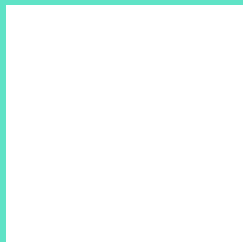
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.4483, 0.2540, 0.3682**

## Background



This preview shows how black text looks on a background with the Yxy color 61.4483, 0.2540, 0.3682.



This preview shows how white text looks on a background with the Yxy color 61.4483, 0.2540, 0.3682.

# 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

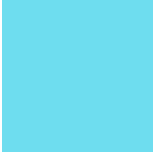
61.4483, 0.2540, 0.3682

### Protanopia

60.2117, 0.3330, 0.3501

### Deuteranopia

60.5951, 0.3289, 0.3223



## **Tritanopia**

61.2599, 0.2392, 0.3062

# Trichromacy



## Original Color

61.4483, 0.2540, 0.3682



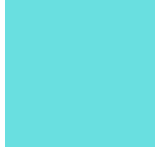
## Protanomaly

59.2397, 0.2964, 0.3569



## Deuteranomaly

59.2123, 0.2942, 0.3376



## Tritanomaly

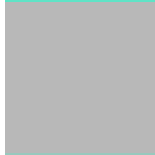
61.1604, 0.2445, 0.3275

# Monochromacy



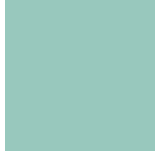
## Original Color

61.4483, 0.2540, 0.3682



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

51.6581, 0.2847, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.4483, 0.2540, 0.3682 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(95, 227, 198)` looks like.

```
.text, #text, p{  
    color:rgb(95, 227, 198)  
}
```

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(95, 227, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 227, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 61.4483, 0.2540, 0.3682 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(95, 227, 198) }
```

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

```
.border{ border-color:rgb(95, 227, 198) }
```

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

Here you see how a box with a 4 pixel rgb(95, 227, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 227, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 227, 198);  
box-shadow:4px 4px 4px 4px rgb(95, 227,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.4483, 0.2540, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 227, 198) }
```

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

```
.background{ background-color: rgb(95, 227,  
198) }
```

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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