

# Converting Colors

$Yxy(60.2173, 0.2486, 0.3786)$

Have a look what the booklet for  
Yxy(60.2173, 0.2486, 0.3786)  
contains.

<b>Yxy(60.0092, 0.2483, 0.3778)</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(60.0092, 0.2483, 0.3778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45E3C0
RGB	69, 227, 192
RGB Percent	27%, 89%, 75%
CMY	0.7294, 0.1098, 0.2469
CMYK	0.70, 0.00, 0.15, 0.11
HSL	167°, 74%, 58%
HSV	167°, 70%, 89%
XYZ	39.4396, 60.0092, 59.3897
YIQ	175.7680, -82.9330, -44.3810

# Conversions

## Conversions Part 2

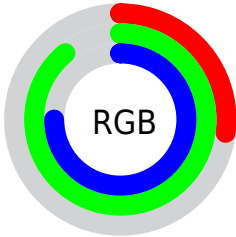
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 158, 227
Decimal	4580288
CIELab	81.84, -48.80, 5.28
CIElCh	82, 49.087, 173.820
Yxy	60.0092, 0.2483, 0.3778
Android (android.graphics.Color)	4282770368 (0xFF45E3C0)
YUV	175.7680, 8.0024, -93.6355
Hunter-Lab	77.4656, -44.6862, 8.7707

# Details

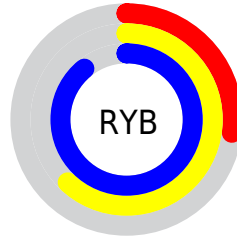
The Yxy color **60.0092, 0.2483, 0.3778** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **21.5856, 0.4958, 0.2948**, and the grayscale version is **43.2800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5316, 0.2534, 0.3368**, and **30.9899, 0.2415, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **59.1152, 0.2454, 0.3860**, and if you desaturate by 10%, it is **61.2328, 0.2532, 0.3697**.

# Distribution



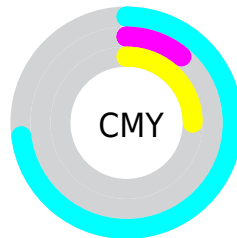
- Red (27%)
- Green (89%)
- Blue (75%)



- Red (27%)
- Yellow (62%)
- Blue (89%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)




- Cyan (73%)
- Magenta (11%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.0092, 0.2483, 0.3778 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 60.0092, 0.2483, 0.3778 by changing the saturation by 10% instead.





 60.0092, 0.2483,  
0.3778


 60.0092, 0.2483,  
0.3778


424.6317, 0.2792,  
0.3540


 43.4260, 0.2410,  
0.3836


 104.8430, 0.2592,  
0.3693

 30.2195, 0.2318,  
0.3909


 133.8625, 0.2634,  
0.3660

 20.0053, 0.2201,  
0.4004

 167.7961, 0.2670,  
0.3633

 12.3989, 0.2044,  
0.4134

 207.0284, 0.2701,  
0.3609

 7.0159, 0.1826,  
0.4319

251.9437, 0.2728,  
0.3588

 3.4721, 0.1506,  
0.4603

302.9265, 0.2752,

 1.3829, 0.0219,

0.3570

0.5534

360.3610, 0.2773,  
0.3554

■ 0.2041, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.0092, 0.2483,  
0.3778

■ 60.0092, 0.2483,  
0.3778

■ 59.1152, 0.2454,  
0.3860

■ 61.2328, 0.2532,  
0.3697

■ 58.5053, 0.2444,  
0.3942


■ 62.8114, 0.2599,  
0.3618

■ 58.1178, 0.2451,  
0.4023


■ 64.7759, 0.2684,  
0.3542


■ 58.1042, 0.2452,  
0.4026

■ 67.1518, 0.2782,  
0.3471

 69.9626, 0.2892,  
0.3404

 73.2298, 0.3009,  
0.3343

 76.9735, 0.3132,  
0.3288

 81.2127, 0.3258,  
0.3238

 82.3284, 0.3255,  
0.3189

# Harmonies

## Analogous

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



60.0092, 0.3040, 0.4300



60.0092, 0.2483, 0.3778



60.0092, 0.2120, 0.3127

# Triad

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



60.0092, 0.2483, 0.3778



60.0092, 0.2536, 0.2325



60.0092, 0.4381, 0.3777

# Complementary

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



60.0092, 0.2483, 0.3778



21.5856, 0.4958, 0.2948

# 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.



60.0092, 0.4241, 0.3294



60.0092, 0.2483, 0.3778



60.0092, 0.3114, 0.2502

# Square

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



60.0092, 0.2483, 0.3778



60.0092, 0.2154, 0.2354



60.0092, 0.3756, 0.2845



60.0092, 0.4150, 0.4206



# Rectangle

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



60.0092, 0.2483, 0.3778



60.0092, 0.2019, 0.2763



60.0092, 0.3756, 0.2845



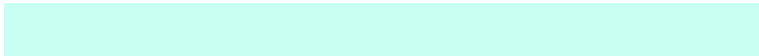
60.0092, 0.4378, 0.3617

# Sweetspot

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



60.0115, 0.2483, 0.3778



90.4800, 0.2874, 0.3414



58.4248, 0.3192, 0.5410



19.1416, 0.2843, 0.3432



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.



60.0115, 0.2483, 0.3778



76.5212, 0.2447, 0.3901



41.4534, 0.2184, 0.2692



16.2789, 0.3011, 0.3343



33.9040, 0.2448, 0.4014



2.5189, 0.2415, 0.3895



# Inverse Universe

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



21.5856, 0.4958, 0.2948



23.5401, 0.5554, 0.2985



28.1581, 0.5083, 0.3722



14.4200, 0.3258, 0.3238



9.6741, 0.6010, 0.3085

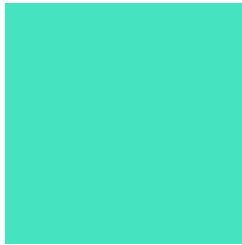


0.7286, 0.5604, 0.2861



# Previews

## White Background



This preview shows how the Yxy color 60.0092, 0.2483, 0.3778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

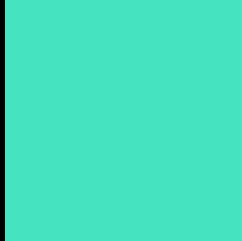
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.0092, 0.2483, 0.3778 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

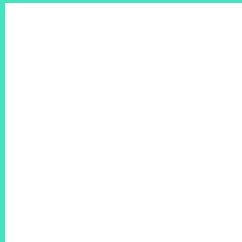
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.0092, 0.2483, 0.3778**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.0092, 0.2483, 0.3778.

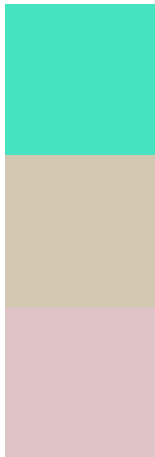


This preview shows how white text looks on a background with the Yxy color 60.0092, 0.2483, 0.3778.

# 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

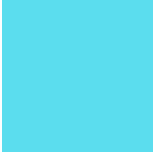
60.0092, 0.2483, 0.3778

### Protanopia

58.8365, 0.3378, 0.3562

### Deuteranopia

58.6833, 0.3315, 0.3245



## **Tritanopia**

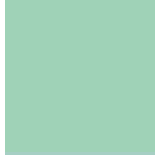
60.1101, 0.2329, 0.3070

# Trichromacy



## Original Color

60.0092, 0.2483, 0.3778



## Protanomaly

56.8830, 0.2939, 0.3643



## Deuteranomaly

56.7182, 0.2903, 0.3430



## Tritanomaly

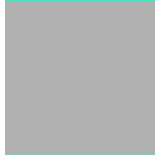
59.8348, 0.2382, 0.3314

# Monochromacy



## Original Color

60.0092, 0.2483, 0.3778



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

47.7260, 0.2785, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.0092, 0.2483, 0.3778 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(69, 227, 192)` looks like.

```
.text, #text, p{  
    color:rgb(69, 227, 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(69, 227, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 227, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 60.0092, 0.2483, 0.3778 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(69, 227, 192) }
```

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

```
.border{ border-color:rgb(69, 227, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 227, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 227, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 227, 192);  
box-shadow:4px 4px 4px 4px rgb(69, 227,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.0092, 0.2483, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 227, 192) }
```

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

```
.background{ background-color: rgb(69, 227,  
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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