

# Converting Colors

Yxy(56.0323, 0.2706, 0.4068)

Have a look what the booklet for  
Yxy(56.0323, 0.2706, 0.4068)  
contains.

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# Color

**Yxy(56.0323, 0.2706, 0.4068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63DBA5
RGB	99, 219, 165
RGB Percent	39%, 86%, 65%
CMY	0.6115, 0.1412, 0.3530
CMYK	0.55, 0.00, 0.25, 0.14
HSL	153°, 62%, 62%
HSV	153°, 55%, 86%
XYZ	37.2722, 56.0323, 44.4347
YIQ	176.9640, -54.1860, -42.2340

# Conversions

## Conversions Part 2

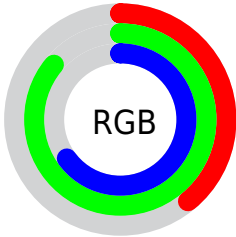
Format	Color
<a href="#">RYB</a>	<a href="#">99, 176, 219</a>
Decimal	<a href="#">6544293</a>
CIELab	<a href="#">79.63, -46.23, 16.53</a>
CIELCh	<a href="#">80, 49.100, 160.321</a>
Yxy	<a href="#">56.0323, 0.2706, 0.4068</a>
Android (android.graphics.Color)	<a href="#">4284734373</a> ( <a href="#">0xFF63DBA5</a> )
YUV	<a href="#">176.9640, -5.8983, -68.3744</a>
Hunter-Lab	<a href="#">74.8547, -42.1157, 17.2031</a>

# Details

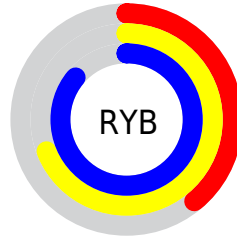
The Yxy color **56.0323, 0.2706, 0.4068** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.3004, 0.3987, 0.2659**, and the grayscale version is **44.0087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9564, 0.2761, 0.3693**, and **27.6627, 0.2581, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **54.6173, 0.2667, 0.4242**, and if you desaturate by 10%, it is **57.8139, 0.2762, 0.3900**.

# Distribution



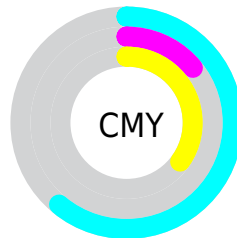
- Red (39%)
- Green (86%)
- Blue (65%)



- Red (39%)
- Yellow (69%)
- Blue (86%)



- Cyan (55%)
- Magenta (0%)
- Yellow (25%)
- Black (14%)




- Cyan (61%)
- Magenta (14%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0323, 0.2706, 0.4068 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 56.0323, 0.2706, 0.4068 by changing the saturation by 10% instead.





 56.0323, 0.2706,  
0.4068


 56.0323, 0.2706,  
0.4068


409.8132, 0.2919,  
0.3671

 40.2288, 0.2652,  
0.4169


 99.0518, 0.2784,  
0.3922

 27.7170, 0.2583,  
0.4300


 127.0366, 0.2813,  
0.3868

 18.1124, 0.2491,  
0.4476


 159.8507, 0.2838,  
0.3822

 11.0307, 0.2361,  
0.4723

 197.8783, 0.2859,  
0.3783

 6.0875, 0.2168,  
0.5097

241.5040, 0.2877,  
0.3750

 2.8984, 0.1855,  
0.5715

291.1121, 0.2893,

 1.0789, 0.0000,

0.3720

0.9953

347.0871, 0.2907,  
0.3694

0.0000, 0.0000,  
0.0000

56.0323, 0.2706,  
0.4068

56.0323, 0.2706,  
0.4068

54.6173, 0.2667,  
0.4242

57.8139, 0.2762,  
0.3900

53.5339, 0.2646,  
0.4420

59.9807, 0.2830,  
0.3743

52.7516, 0.2646,  
0.4597

62.5578, 0.2909,  
0.3596

52.2304, 0.2666,  
0.4767


65.5662, 0.2995,  
0.3463


52.0266, 0.2682,  
0.4854

69.0255, 0.3084,  
0.3343

 72.9542, 0.3175,  
0.3235

 77.3694, 0.3266,  
0.3140

 78.4476, 0.3217,  
0.3045

 79.0628, 0.3152,  
0.2952

# Harmonies

## Analogous

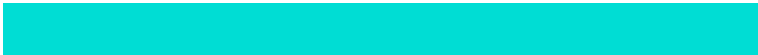
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.0323, 0.3321, 0.4444



56.0323, 0.2706, 0.4068



56.0323, 0.2235, 0.3417

# Triad

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



56.0323, 0.2706, 0.4068



56.0323, 0.2319, 0.2290



56.0323, 0.4396, 0.3563

# Complementary

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



56.0323, 0.2706, 0.4068



26.3004, 0.3987, 0.2659

# 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.



56.0323, 0.4079, 0.3078



56.0323, 0.2706, 0.4068



56.0323, 0.2828, 0.2381

# Square

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



56.0323, 0.2706, 0.4068



56.0323, 0.2037, 0.2424



56.0323, 0.3479, 0.2661



56.0323, 0.4321, 0.4040



# Rectangle

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



56.0323, 0.2706, 0.4068



56.0323, 0.2053, 0.2991



56.0323, 0.3479, 0.2661



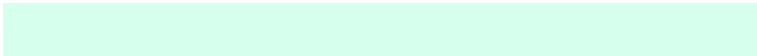
56.0323, 0.4332, 0.3398

# Sweetspot

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



56.0346, 0.2706, 0.4068



91.9385, 0.2982, 0.3481



58.5367, 0.3409, 0.4854



19.4827, 0.2964, 0.3508



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.



56.0346, 0.2706, 0.4068



76.7939, 0.2662, 0.4274



56.3724, 0.2424, 0.3235



14.7254, 0.3042, 0.3397



30.8722, 0.2675, 0.4830



2.0173, 0.2598, 0.4554



# Inverse Universe

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



26.3004, 0.3987, 0.2659



30.6550, 0.4284, 0.2566



25.6765, 0.4726, 0.3340



13.1486, 0.3221, 0.3185



9.4816, 0.5158, 0.2615



0.6315, 0.4760, 0.2396



# Previews

## White Background



This preview shows how the Yxy color 56.0323, 0.2706, 0.4068 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 56.0323, 0.2706, 0.4068 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 56.0323, 0.2706, 0.4068**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.0323, 0.2706, 0.4068.

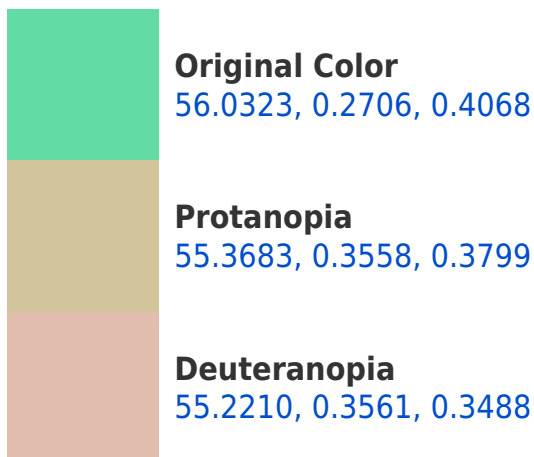


This preview shows how white text looks on a background with the Yxy color 56.0323, 0.2706, 0.4068.

# 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

56.0415, 0.2451, 0.3068

# Trichromacy



## Original Color

56.0323, 0.2706, 0.4068



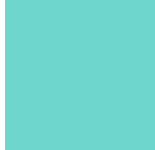
## Protanomaly

54.0894, 0.3182, 0.3900



## Deuteranomaly

53.7568, 0.3187, 0.3691



## Tritanomaly

55.8804, 0.2540, 0.3410

# Monochromacy



## Original Color

56.0323, 0.2706, 0.4068



## Achromatopsia

43.9657, 0.3127, 0.3290



## Achromatomaly

47.1060, 0.2928, 0.3556

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.0323, 0.2706, 0.4068 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(99, 219, 165)` looks like.

```
.text, #text, p{  
    color:rgb(99, 219, 165)  
}
```

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(99, 219, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 219, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 56.0323, 0.2706, 0.4068 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(99, 219, 165) }
```

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

```
.border{ border-color:rgb(99, 219, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 219, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 219, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 219, 165);  
box-shadow:4px 4px 4px 4px rgb(99, 219,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.0323, 0.2706, 0.4068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 219, 165) }
```

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

```
.background{ background-color: rgb(99, 219,  
165) }
```

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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