

# Converting Colors

$Yxy(51.6346, 0.2603, 0.3236)$

Have a look what the booklet for  
Yxy(51.6346, 0.2603, 0.3236)  
contains.

<b>Yxy(51.3644, 0.2602, 0.3234)</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(51.3644, 0.2602, 0.3234)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81CACE
RGB	129, 202, 206
RGB Percent	51%, 79%, 81%
CMY	0.4937, 0.2079, 0.1921
CMYK	0.37, 0.02, 0.00, 0.19
HSL	183°, 44%, 66%
HSV	183°, 37%, 81%
XYZ	41.3266, 51.3644, 66.1352
YIQ	180.6290, -44.7920, -14.2320

# Conversions

## Conversions Part 2

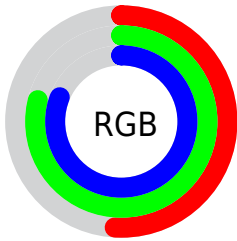
Format	Color
R <sub>Y</sub> B	129, 166, 206
Decimal	8506062
CIE Lab	76.90, -21.64, -9.21
CIE LCh	77, 23.513, 203.049
Yxy	51.3644, 0.2602, 0.3234
Android (android.graphics.Color)	4286696142 (0xFF81CACE)
YUV	180.6290, 12.5079, -45.2786
Hunter-Lab	71.6690, -22.4920, -4.5438

# Details

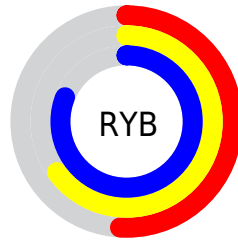
The Yxy color **51.3644, 0.2602, 0.3234** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5215, 0.4014, 0.3345**, and the grayscale version is **45.9601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **24.9027, 0.2462, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **49.4067, 0.2491, 0.3217**, and if you desaturate by 10%, it is **53.6550, 0.2728, 0.3250**.

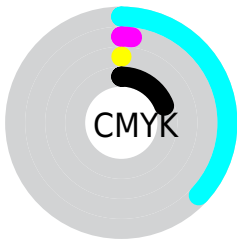
# Distribution



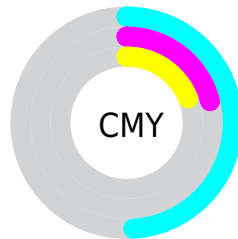
- Red (51%)
- Green (79%)
- Blue (81%)



- Red (51%)
- Yellow (65%)
- Blue (81%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)




- Cyan (49%)
- Magenta (21%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3644, 0.2602, 0.3234 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 51.3644, 0.2602, 0.3234 by changing the saturation by 10% instead.





 51.3644, 0.2602,  
0.3234


 51.3644, 0.2602,  
0.3234

391.9779, 0.2856,  
0.3267


 36.4987, 0.2541,  
0.3225


 92.1932, 0.2692,  
0.3247

 24.8196, 0.2465,  
0.3212


 118.9251, 0.2727,  
0.3251

 15.9427, 0.2365,  
0.3194


 150.3811, 0.2756,  
0.3255

 9.4836, 0.2232,  
0.3167

186.9458, 0.2782,  
0.3258

 5.0579, 0.2043,  
0.3123

229.0033, 0.2804,  
0.3261

 2.2813, 0.1759,  
0.3041

276.9383, 0.2823,

 0.7638, 0.0781,

0.3263

0.3016

331.1350, 0.2841,  
0.3265

0.0000, 0.0000,  
0.0000

51.3644, 0.2602,  
0.3234

51.3644, 0.2602,  
0.3234

49.4067, 0.2491,  
0.3217

53.6550, 0.2728,  
0.3250

47.7561, 0.2397,  
0.3200

56.2905, 0.2867,  
0.3266

46.3930, 0.2321,  
0.3182

59.2895, 0.3015,  
0.3280

45.2926, 0.2265,  
0.3164

62.6676, 0.3169,  
0.3293

44.4261, 0.2227,  
0.3147

66.4397, 0.3326,  
0.3305

■ 43.7540, 0.2206,  
0.3129

■ 70.6195, 0.3485,  
0.3316

■ 43.5893, 0.2201,  
0.3125

■ 71.5804, 0.3501,  
0.3327

■ 72.1131, 0.3499,  
0.3338

■ 72.6495, 0.3497,  
0.3349

# Harmonies

## Analogous

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



51.3644, 0.2809, 0.3539



51.3644, 0.2602, 0.3234



51.3644, 0.2531, 0.2966

# Triad

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



51.3644, 0.2602, 0.3234



51.3644, 0.3122, 0.2862



51.3644, 0.3664, 0.3774

# Complementary

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



51.3644, 0.2602, 0.3234



31.5215, 0.4014, 0.3345

# 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.



51.3644, 0.3762, 0.3567



51.3644, 0.2602, 0.3234



51.3644, 0.3440, 0.3054

# Square

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



51.3644, 0.2602, 0.3234



51.3644, 0.2819, 0.2770



51.3644, 0.3680, 0.3306



51.3644, 0.3421, 0.3860



# Rectangle

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



51.3644, 0.2602, 0.3234



51.3644, 0.2566, 0.2843



51.3644, 0.3680, 0.3306



51.3644, 0.3716, 0.3715

# Sweetspot

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



51.3664, 0.2602, 0.3234



94.1295, 0.2957, 0.3275



50.5154, 0.3051, 0.4357



20.0040, 0.2937, 0.3273



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.



51.3664, 0.2602, 0.3234



80.5645, 0.2509, 0.3220



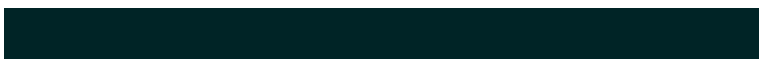
35.5799, 0.2523, 0.2685



12.6225, 0.2984, 0.3277



26.8830, 0.2202, 0.3127



1.4184, 0.2211, 0.3161



# Inverse Universe

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



33.1147, 0.3209, 0.2416



46.9285, 0.3230, 0.2237



43.9894, 0.3831, 0.3824



11.3932, 0.3146, 0.3073



10.5168, 0.3344, 0.1616

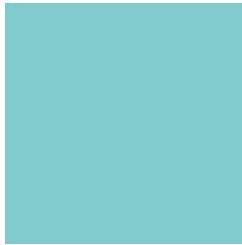


0.5457, 0.3315, 0.1600



# Previews

## White Background



This preview shows how the Yxy color 51.3644, 0.2602, 0.3234 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

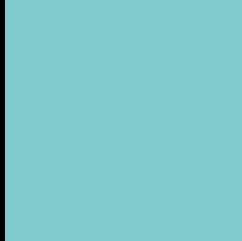
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3644, 0.2602, 0.3234 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

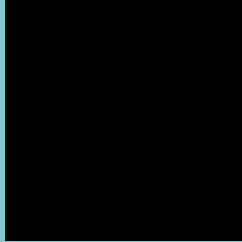
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

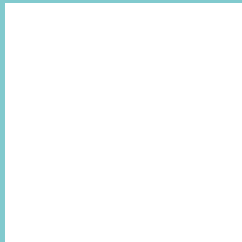
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.3644, 0.2602, 0.3234**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3644, 0.2602, 0.3234.

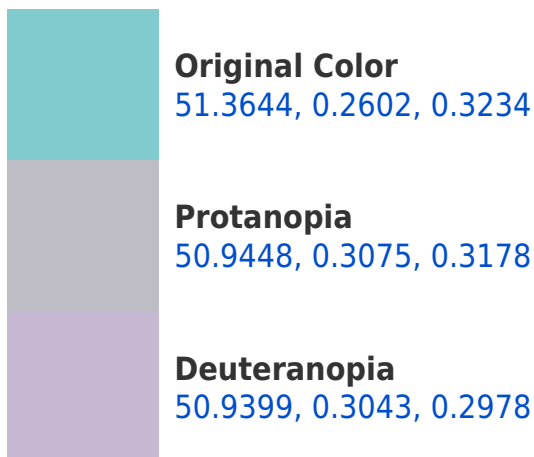


This preview shows how white text looks on a background with the Yxy color 51.3644, 0.2602, 0.3234.

# 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

51.1720, 0.2559, 0.3076

# Trichromacy



**Original Color**

51.3644, 0.2602, 0.3234

**Protanomaly**

50.6349, 0.2884, 0.3199

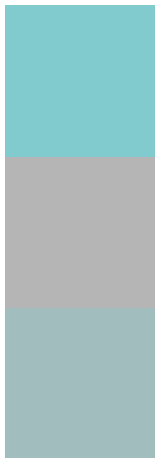
**Deuteranomaly**

50.7493, 0.2858, 0.3062

**Tritanomaly**

51.3520, 0.2577, 0.3142

# Monochromacy



**Original Color**

51.3644, 0.2602, 0.3234

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.7943, 0.2906, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  51.3644, 0.2602, 0.3234 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(129, 202, 206)` looks like.

```
.text, #text, p{  
    color:rgb(129, 202, 206)  
}
```

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(129, 202, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 202, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3644, 0.2602, 0.3234 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(129, 202, 206) }
```

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

```
.border{ border-color:rgb(129, 202, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 202, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 202, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 202, 206);  
box-shadow:4px 4px 4px 4px rgb(129, 202,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3644, 0.2602, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 202, 206) }
```

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

```
.background{ background-color: rgb(129,  
202, 206) }
```

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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