

# Converting Colors

$Yxy(43.9066, 0.2595, 0.3068)$

Have a look what the booklet for  
Yxy(43.9066, 0.2595, 0.3068)  
contains.

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# Color

**Yxy(44.0020, 0.2599, 0.3078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81BAC9
RGB	129, 186, 201
RGB Percent	51%, 73%, 79%
CMY	0.4942, 0.2706, 0.2117
CMYK	0.36, 0.07, 0.00, 0.21
HSL	193°, 40%, 65%
HSV	193°, 36%, 79%
XYZ	37.1544, 44.0020, 61.8001
YIQ	170.6670, -38.7870, -7.4190

# Conversions

## Conversions Part 2

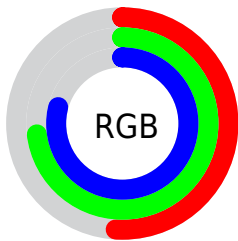
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 161, 201
Decimal	8501961
CIELab	72.23, -14.71, -13.47
CIELCh	72, 19.948, 222.481
Yxy	44.0020, 0.2599, 0.3078
Android (android.graphics.Color)	4286692041 (0xFF81BAC9)
YUV	170.6670, 14.9542, -36.5420
Hunter-Lab	66.3340, -16.1047, -8.8037

# Details

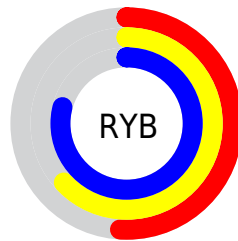
The Yxy color **44.0020, 0.2599, 0.3078** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.9499, 0.3908, 0.3490**, and the grayscale version is **40.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9146, 0.2707, 0.3148**, and **20.4181, 0.2456, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **40.8424, 0.2470, 0.3009**, and if you desaturate by 10%, it is **47.5265, 0.2739, 0.3143**.

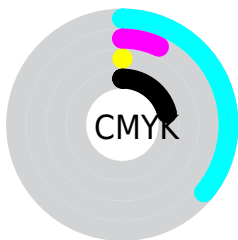
# Distribution



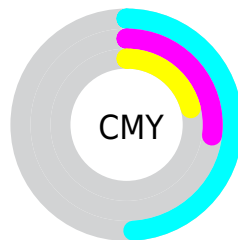
- Red (51%)
- Green (73%)
- Blue (79%)



- Red (51%)
- Yellow (63%)
- Blue (79%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (21%)




- Cyan (49%)
- Magenta (27%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.0020, 0.2599, 0.3078 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 44.0020, 0.2599, 0.3078 by changing the saturation by 10% instead.




 44.0020, 0.2599,  
0.3078


 44.0020, 0.2599,  
0.3078


362.7164, 0.2861,  
0.3189

 30.6721, 0.2535,  
0.3049


 81.2208, 0.2693,  
0.3120

 20.3493, 0.2453,  
0.3010


 105.8784, 0.2729,  
0.3135

 12.6492, 0.2345,  
0.2957

 135.0807, 0.2759,  
0.3148

 7.1874, 0.2197,  
0.2881

169.2121, 0.2785,  
0.3159

 3.5796, 0.1983,  
0.2762

208.6570, 0.2808,  
0.3168

 1.4413, 0.1651,  
0.2556

253.7997, 0.2828,

 0.2469, 0.0000,

0.3176

0.1669

305.0248, 0.2845,  
0.3183

0.0000, 0.0000,  
0.0000

44.0020, 0.2599,  
0.3078

44.0020, 0.2599,  
0.3078

40.8424, 0.2470,  
0.3009

47.5265, 0.2739,  
0.3143

38.0237, 0.2354,  
0.2936

51.4277, 0.2886,  
0.3204

35.5271, 0.2255,  
0.2861

55.7235, 0.3038,  
0.3260

33.3294, 0.2175,  
0.2785

60.4288, 0.3191,  
0.3310

31.4038, 0.2113,  
0.2709

65.5577, 0.3344,  
0.3356

■ 29.7170, 0.2071,  
0.2633

■ 71.1236, 0.3493,  
0.3396

■ 29.0573, 0.2056,  
0.2602

■ 74.2441, 0.3526,  
0.3437

■ 76.4090, 0.3518,  
0.3479

■ 78.6289, 0.3509,  
0.3521

# Harmonies

## Analogous

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



44.0020, 0.2710, 0.3338



44.0020, 0.2599, 0.3078



44.0020, 0.2621, 0.2893

# Triad

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



44.0020, 0.2599, 0.3078



44.0020, 0.3311, 0.3009



44.0020, 0.3479, 0.3787

# Complementary

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



44.0020, 0.2599, 0.3078



33.9499, 0.3908, 0.3490

# 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.



44.0020, 0.3655, 0.3669



44.0020, 0.2599, 0.3078



44.0020, 0.3558, 0.3223

# Square

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



44.0020, 0.2599, 0.3078



44.0020, 0.3022, 0.2864



44.0020, 0.3686, 0.3461



44.0020, 0.3212, 0.3766



# Rectangle

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



44.0020, 0.2599, 0.3078



44.0020, 0.2709, 0.2831



44.0020, 0.3686, 0.3461



44.0020, 0.3551, 0.3761

# Sweetspot

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



44.0037, 0.2599, 0.3078



91.3900, 0.2957, 0.3231



48.4405, 0.2985, 0.4139



19.3469, 0.2936, 0.3223



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

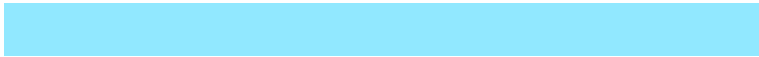


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.0037, 0.2599, 0.3078



71.0702, 0.2497, 0.3024



30.8877, 0.2527, 0.2551



11.6778, 0.2984, 0.3241



18.4029, 0.2059, 0.2613



0.9685, 0.2103, 0.2769



# Inverse Universe

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



31.6626, 0.3320, 0.2577



47.4527, 0.3375, 0.2426



46.4070, 0.3749, 0.3931



10.7773, 0.3169, 0.3109



9.3978, 0.3812, 0.1874

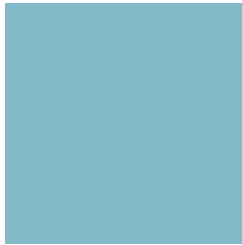


0.4548, 0.3663, 0.1792



# Previews

## White Background



This preview shows how the Yxy color 44.0020, 0.2599, 0.3078 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

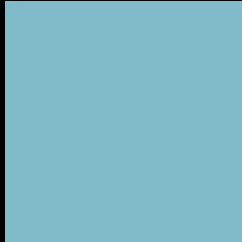
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.0020, 0.2599, 0.3078 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

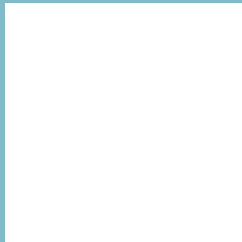
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.0020, 0.2599, 0.3078**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.0020, 0.2599, 0.3078.



This preview shows how white text looks on a background with the Yxy color 44.0020, 0.2599, 0.3078.

# 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

44.0020, 0.2599, 0.3078

### Protanopia

43.5537, 0.2968, 0.3040

### Deuteranopia

43.5680, 0.2941, 0.2881



## Tritanopia

44.0020, 0.2599, 0.3078

# Trichromacy



**Original Color**

44.0020, 0.2599, 0.3078

**Protanomaly**

43.5405, 0.2819, 0.3046

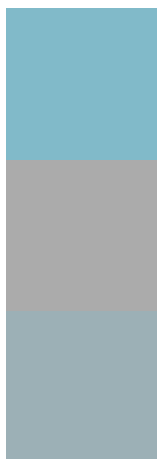
**Deuteranomaly**

43.3331, 0.2798, 0.2943

**Tritanomaly**

44.0020, 0.2599, 0.3078

# Monochromacy



**Original Color**

44.0020, 0.2599, 0.3078

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

41.4960, 0.2911, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.0020, 0.2599, 0.3078 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, 186, 201)` looks like.

```
.text, #text, p{  
    color:rgb(129, 186, 201)  
}
```

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, 186, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 186, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 44.0020, 0.2599, 0.3078 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, 186, 201) }
```

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

```
.border{ border-color:rgb(129, 186, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 186, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 186, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 186, 201);  
box-shadow:4px 4px 4px 4px rgb(129, 186,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.0020, 0.2599, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 186, 201) }
```

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

```
.background{ background-color: rgb(129,  
186, 201) }
```

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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