

# Converting Colors

$Yxy(43.0476, 0.2520, 0.3056)$

Have a look what the booklet for  
Yxy(43.0476, 0.2520, 0.3056)  
contains.

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# Color

**Yxy(43.1640, 0.2521, 0.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75BACA
RGB	117, 186, 202
RGB Percent	46%, 73%, 79%
CMY	0.5410, 0.2706, 0.2078
CMYK	0.42, 0.08, 0.00, 0.21
HSL	191°, 44%, 63%
HSV	191°, 42%, 79%
XYZ	35.5609, 43.1640, 62.3339
YIQ	167.1930, -46.2600, -9.6520

# Conversions

## Conversions Part 2

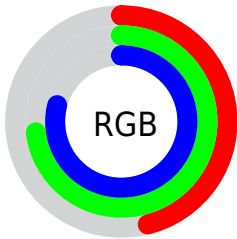
Format	Color
R <sub>Y</sub> B	117, 155, 202
Decimal	7715530
CIE Lab	71.67, -17.58, -14.92
CIE LCh	72, 23.061, 220.312
Yxy	43.1640, 0.2521, 0.3060
Android (android.graphics.Color)	4285905610 (0xFF75BACA)
YUV	167.1930, 17.1599, -44.0193
Hunter-Lab	65.6993, -18.3575, -10.2634

# Details

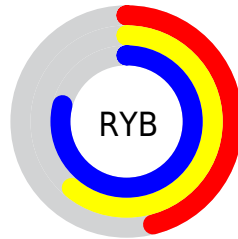
The Yxy color **43.1640, 0.2521, 0.3060** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.6346, 0.4112, 0.3502**, and the grayscale version is **38.6808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6085, 0.2649, 0.3146**, and **19.9373, 0.2357, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **40.3309, 0.2402, 0.2996**, and if you desaturate by 10%, it is **46.3451, 0.2653, 0.3121**.

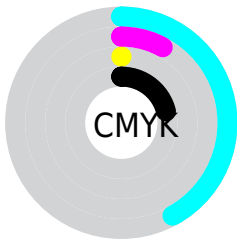
# Distribution



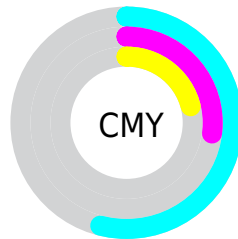
- Red (46%)
- Green (73%)
- Blue (79%)



- Red (46%)
- Yellow (61%)
- Blue (79%)



- Cyan (42%)
- Magenta (8%)
- Yellow (0%)
- Black (21%)




- Cyan (54%)
- Magenta (27%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1640, 0.2521, 0.3060 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 43.1640, 0.2521, 0.3060 by changing the saturation by 10% instead.





 43.1640, 0.2521,  
0.3060


 43.1640, 0.2521,  
0.3060


359.2858, 0.2821,  
0.3182

 30.0138, 0.2447,  
0.3027


 79.9583, 0.2629,  
0.3106

 19.8491, 0.2354,  
0.2984


 104.3712, 0.2670,  
0.3123

 12.2854, 0.2231,  
0.2925


 133.3071, 0.2705,  
0.3137

 6.9383, 0.2063,  
0.2839

167.1504, 0.2735,  
0.3149

 3.4236, 0.1822,  
0.2704

206.2855, 0.2761,  
0.3159

 1.3567, 0.1452,  
0.2468

251.0969, 0.2783,

 0.1845, 0.0000,

0.3168

0.1267

301.9688, 0.2803,  
0.3176

0.0000, 0.0000,  
0.0000

43.1640, 0.2521,  
0.3060

43.1640, 0.2521,  
0.3060

40.3309, 0.2402,  
0.2996

46.3451, 0.2653,  
0.3121

37.8209, 0.2299,  
0.2929

49.8874, 0.2795,  
0.3179

35.6133, 0.2214,  
0.2861


53.8093, 0.2943,  
0.3232

33.6828, 0.2149,  
0.2793

58.1265, 0.3096,  
0.3281

31.9989, 0.2102,  
0.2725


62.8536, 0.3249,  
0.3325

 30.7929, 0.2075,  
0.2671

 68.0047, 0.3402,  
0.3364

 72.9312, 0.3525,  
0.3400

 74.8643, 0.3517,  
0.3438

 76.8426, 0.3509,  
0.3477

# Harmonies

## Analogous

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



43.1640, 0.2658, 0.3367



43.1640, 0.2521, 0.3060



43.1640, 0.2536, 0.2840

# Triad

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



43.1640, 0.2521, 0.3060



43.1640, 0.3316, 0.2950



43.1640, 0.3553, 0.3864

# Complementary

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



43.1640, 0.2521, 0.3060



30.6346, 0.4112, 0.3502

# 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.



43.1640, 0.3750, 0.3712



43.1640, 0.2521, 0.3060



43.1640, 0.3612, 0.3191

# Square

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



43.1640, 0.2521, 0.3060



43.1640, 0.2980, 0.2791



43.1640, 0.3774, 0.3464



43.1640, 0.3248, 0.3856



# Rectangle

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



43.1640, 0.2521, 0.3060



43.1640, 0.2629, 0.2764



43.1640, 0.3774, 0.3464



43.1640, 0.3635, 0.3828

# Sweetspot

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



43.1657, 0.2521, 0.3060



90.3250, 0.2926, 0.3226



47.7104, 0.2972, 0.4340



19.0066, 0.2893, 0.3215



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

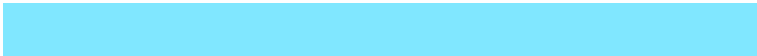


# Same Dimension

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



43.1657, 0.2521, 0.3060



68.9085, 0.2418, 0.3005



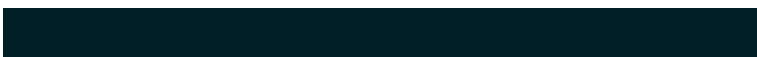
27.9832, 0.2416, 0.2417



12.3537, 0.2983, 0.3245



19.9377, 0.2078, 0.2680



1.1238, 0.2115, 0.2812



# Inverse Universe

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



28.8374, 0.3345, 0.2436



42.3363, 0.3403, 0.2275



44.5419, 0.3879, 0.4026



11.3661, 0.3166, 0.3104



9.8157, 0.3747, 0.1838

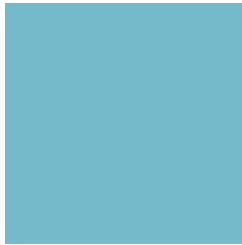


0.5160, 0.3623, 0.1770



# Previews

## White Background



This preview shows how the Yxy color 43.1640, 0.2521, 0.3060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

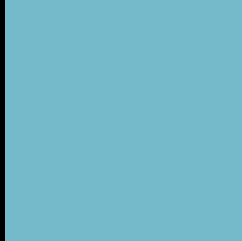
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1640, 0.2521, 0.3060 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

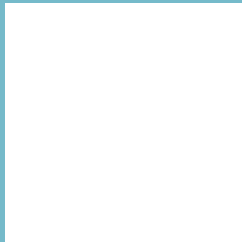
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.1640, 0.2521, 0.3060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1640, 0.2521, 0.3060.



This preview shows how white text looks on a background with the Yxy color 43.1640, 0.2521, 0.3060.

# 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

43.1640, 0.2521, 0.3060

### Protanopia

42.9378, 0.2951, 0.3025

### Deuteranopia

42.8807, 0.2908, 0.2853



## Tritanopia

43.1168, 0.2526, 0.3074

# Trichromacy



**Original Color**

43.1640, 0.2521, 0.3060

**Protanomaly**

42.5474, 0.2772, 0.3029

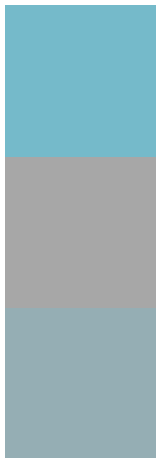
**Deuteranomaly**

42.3789, 0.2745, 0.2912

**Tritanomaly**

43.1168, 0.2526, 0.3074

# Monochromacy



**Original Color**

43.1640, 0.2521, 0.3060

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.9570, 0.2868, 0.3203

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1640, 0.2521, 0.3060 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(117, 186, 202)` looks like.

```
.text, #text, p{  
    color:rgb(117, 186, 202)  
}
```

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(117, 186, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 186, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1640, 0.2521, 0.3060 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(117, 186, 202) }
```

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

```
.border{ border-color:rgb(117, 186, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 186, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 186, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 186, 202);  
box-shadow:4px 4px 4px 4px rgb(117, 186,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1640, 0.2521, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 186, 202) }
```

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

```
.background{ background-color: rgb(117,  
186, 202) }
```

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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