

# Converting Colors

$Y_{xy}(42.9516, 0.2543, 0.3095)$

Have a look what the booklet for  
Yxy(42.9516, 0.2543, 0.3095)  
contains.

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# Color

**Yxy(43.0929, 0.2544, 0.3102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76BAC7
RGB	118, 186, 199
RGB Percent	46%, 73%, 78%
CMY	0.5371, 0.2706, 0.2196
CMYK	0.41, 0.07, 0.00, 0.22
HSL	190°, 42%, 62%
HSV	190°, 41%, 78%
XYZ	35.3412, 43.0929, 60.4857
YIQ	167.1500, -44.7010, -10.3730

# Conversions

## Conversions Part 2

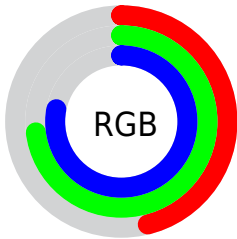
Format	Color
R <sub>Y</sub> B	118, 155, 199
Decimal	7781063
CIE Lab	71.62, -18.12, -13.34
CIE LCh	72, 22.504, 216.368
Yxy	43.0929, 0.2544, 0.3102
Android (android.graphics.Color)	4285971143 (0xFF76BAC7)
YUV	167.1500, 15.7020, -43.1046
Hunter-Lab	65.6452, -18.7806, -8.6783

# Details

The Yxy color **43.0929, 0.2544, 0.3102** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.6904, 0.4079, 0.3466**, and the grayscale version is **38.6625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7229, 0.2654, 0.3146**, and **19.8762, 0.2384, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **40.5138, 0.2427, 0.3048**, and if you desaturate by 10%, it is **45.9993, 0.2675, 0.3153**.

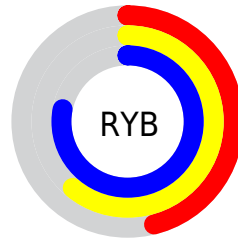
# Distribution



Red (46%)

Green (73%)

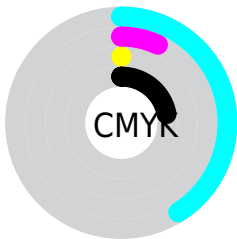
Blue (78%)



Red (46%)

Yellow (61%)

Blue (78%)

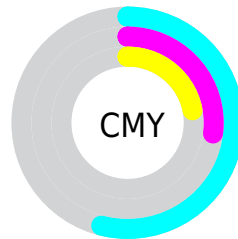


Cyan (41%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (54%)

Magenta (27%)

Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0929, 0.2544, 0.3102 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 43.0929, 0.2544, 0.3102 by changing the saturation by 10% instead.




 43.0929, 0.2544,  
0.3102


 43.0929, 0.2544,  
0.3102


358.9937, 0.2833,  
0.3203

 29.9580, 0.2473,  
0.3075


 79.8510, 0.2648,  
0.3140

 19.8067, 0.2382,  
0.3038


 104.2431, 0.2688,  
0.3154

 12.2546, 0.2263,  
0.2988


 133.1563, 0.2721,  
0.3166

 6.9173, 0.2099,  
0.2915

166.9750, 0.2750,  
0.3176

 3.4105, 0.1863,  
0.2797

206.0838, 0.2775,  
0.3184

 1.3496, 0.1496,  
0.2589

250.8669, 0.2797,

 0.1791, 0.0000,

0.3191

0.1361

301.7087, 0.2816,  
0.3197

0.0000, 0.0000,  
0.0000

43.0929, 0.2544,  
0.3102

43.0929, 0.2544,  
0.3102

40.5138, 0.2427,  
0.3048

45.9993, 0.2675,  
0.3153

38.2382, 0.2325,  
0.2992

49.2453, 0.2816,  
0.3202

36.2468, 0.2241,  
0.2935


52.8484, 0.2964,  
0.3246

34.5157, 0.2177,  
0.2878

56.8233, 0.3117,  
0.3287

33.0166, 0.2131,  
0.2821

61.1842, 0.3271,  
0.3324

 31.7798, 0.2102,  
0.2768

 65.9442, 0.3424,  
0.3358

 70.6716, 0.3556,  
0.3387

 72.2487, 0.3549,  
0.3420

 73.8573, 0.3542,  
0.3452

# Harmonies

## Analogous

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



43.0929, 0.2696, 0.3407



43.0929, 0.2544, 0.3102



43.0929, 0.2539, 0.2872

# Triad

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



43.0929, 0.2544, 0.3102



43.0929, 0.3269, 0.2932



43.0929, 0.3577, 0.3839

# Complementary

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



43.0929, 0.2544, 0.3102



29.6904, 0.4079, 0.3466

# 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.



43.0929, 0.3749, 0.3675



43.0929, 0.2544, 0.3102



43.0929, 0.3568, 0.3159

# Square

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



43.0929, 0.2544, 0.3102



43.0929, 0.2943, 0.2790



43.0929, 0.3748, 0.3426



43.0929, 0.3288, 0.3853



# Rectangle

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



43.0929, 0.2544, 0.3102



43.0929, 0.2618, 0.2786



43.0929, 0.3748, 0.3426



43.0929, 0.3651, 0.3798

# Sweetspot

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



43.0946, 0.2544, 0.3102



91.5570, 0.2942, 0.3240



46.3157, 0.2994, 0.4341



19.4128, 0.2922, 0.3234



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

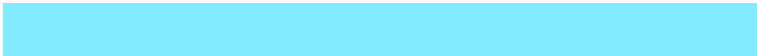


# Same Dimension

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



43.0946, 0.2544, 0.3102



71.3529, 0.2437, 0.3053



28.6485, 0.2448, 0.2494



11.7664, 0.2984, 0.3252



20.5431, 0.2104, 0.2776



1.0525, 0.2137, 0.2894



# Inverse Universe

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



28.6507, 0.3311, 0.2439



43.2333, 0.3363, 0.2264



42.4475, 0.3864, 0.3969



10.7862, 0.3162, 0.3098



9.6138, 0.3657, 0.1788

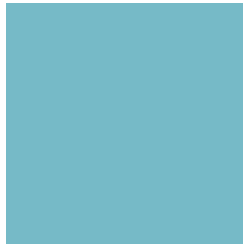


0.4633, 0.3549, 0.1729



# Previews

## White Background



This preview shows how the Yxy color 43.0929, 0.2544, 0.3102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

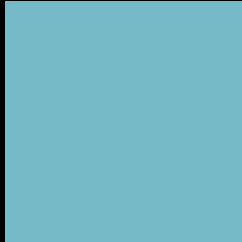
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.0929, 0.2544, 0.3102 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 43.0929, 0.2544, 0.3102**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.0929, 0.2544, 0.3102.



This preview shows how white text looks on a background with the Yxy color 43.0929, 0.2544, 0.3102.

# 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

43.0929, 0.2544, 0.3102

### Protanopia

42.5330, 0.2982, 0.3051

### Deuteranopia

42.4787, 0.2939, 0.2877



## Tritanopia

43.1864, 0.2532, 0.3074

# Trichromacy



**Original Color**

43.0929, 0.2544, 0.3102

**Protanomaly**

42.5081, 0.2801, 0.3069

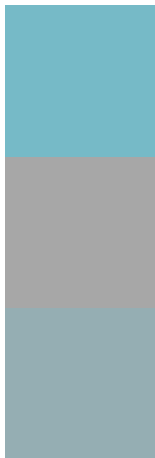
**Deuteranomaly**

42.3356, 0.2773, 0.2951

**Tritanomaly**

43.1395, 0.2538, 0.3088

# Monochromacy



**Original Color**

43.0929, 0.2544, 0.3102

**Achromatopsia**

38.6429, 0.3127, 0.3290

**Achromatomaly**

39.9163, 0.2875, 0.3218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.0929, 0.2544, 0.3102 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(118, 186, 199)` looks like.

```
.text, #text, p{  
    color:rgb(118, 186, 199)  
}
```

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(118, 186, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 186, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 43.0929, 0.2544, 0.3102 is called "border". The border property can be set on classes, ids or directly on the HTML element.

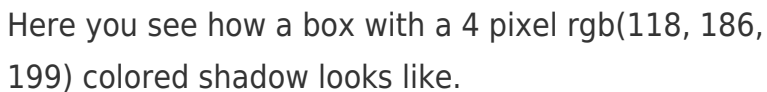
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 186, 199) }
```

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

```
.border{ border-color:rgb(118, 186, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 186, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 186, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 186, 199); box-shadow:4px 4px 4px 4px rgb(118, 186, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.0929, 0.2544, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 186, 199) }
```

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

```
.background{ background-color: rgb(118,  
186, 199) }
```

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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