

# Converting Colors

$Y_{xy}(47.4852, 0.2625, 0.3397)$

Have a look what the booklet for  
Yxy(47.4852, 0.2625, 0.3397)  
contains.

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# Color

**Yxy(47.4582, 0.2626, 0.3403)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C5BD
RGB	118, 197, 189
RGB Percent	46%, 77%, 74%
CMY	0.5373, 0.2274, 0.2588
CMYK	0.40, 0.00, 0.04, 0.23
HSL	174°, 41%, 62%
HSV	174°, 40%, 77%
XYZ	36.6222, 47.4582, 55.3795
YIQ	172.4670, -44.5160, -19.2360

# Conversions

## Conversions Part 2

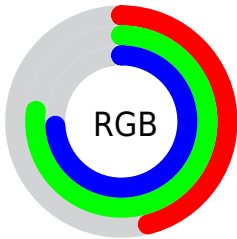
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 160, 197
Decimal	7783869
CIELab	74.48, -26.17, -3.64
CIELCh	74, 26.425, 187.925
Yxy	47.4582, 0.2626, 0.3403
Android (android.graphics.Color)	4285973949 (0xFF76C5BD)
YUV	172.4670, 8.1508, -47.7676
Hunter-Lab	68.8899, -25.6660, 0.5606

# Details

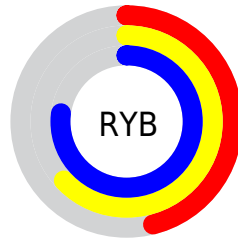
The Yxy color **47.4582, 0.2626, 0.3403** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.3312, 0.4025, 0.3185**, and the grayscale version is **41.4786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4749, 0.2718, 0.3388**, and **22.4793, 0.2488, 0.3428** is the 20% darker color. If you saturate the color by 10%, you get **46.1361, 0.2533, 0.3436**, and if you desaturate by 10%, it is **49.0733, 0.2735, 0.3372**.

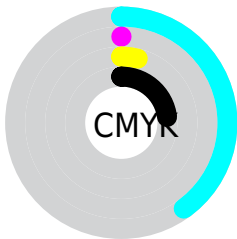
# Distribution



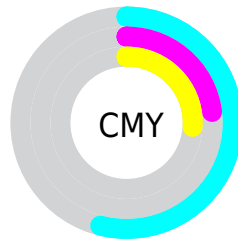
- Red (46%)
- Green (77%)
- Blue (74%)



- Red (46%)
- Yellow (63%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)




- Cyan (54%)
- Magenta (23%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4582, 0.2626, 0.3403 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 47.4582, 0.2626, 0.3403 by changing the saturation by 10% instead.




 47.4582, 0.2626,  
0.3403

 47.4582, 0.2626,  
0.3403


376.6405, 0.2873,  
0.3350


 33.3980, 0.2565,  
0.3415


 86.3972, 0.2715,  
0.3384

 22.4315, 0.2488,  
0.3430

 112.0448, 0.2749,  
0.3377

 14.1743, 0.2387,  
0.3449


 142.3236, 0.2777,  
0.3371

 8.2420, 0.2248,  
0.3474

177.6181, 0.2802,  
0.3366

 4.2502, 0.2047,  
0.3506

218.3126, 0.2823,  
0.3361

 1.8145, 0.1731,  
0.3547

264.7916, 0.2842,

 0.4962, 0.0000,

0.3357

0.3843

317.4395, 0.2858,  
0.3353

0.0000, 0.0000,  
0.0000

47.4582, 0.2626,  
0.3403

47.4582, 0.2626,  
0.3403

46.1361, 0.2533,  
0.3436

49.0733, 0.2735,  
0.3372

45.0832, 0.2456,  
0.3470

50.9922, 0.2856,  
0.3342

44.2813, 0.2399,  
0.3504


53.2321, 0.2987,  
0.3315


43.7075, 0.2361,  
0.3539

55.8073, 0.3126,  
0.3290

43.3346, 0.2341,  
0.3574

58.7310, 0.3268,  
0.3268

 43.1120, 0.2335,  
0.3608

 62.0161, 0.3412,  
0.3248

 65.5047, 0.3549,  
0.3230

 65.6004, 0.3533,  
0.3209

 65.6972, 0.3517,  
0.3189

# Harmonies

## Analogous

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



47.4582, 0.2924, 0.3737



47.4582, 0.2626, 0.3403



47.4582, 0.2464, 0.3057

# Triad

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



47.4582, 0.2626, 0.3403



47.4582, 0.2935, 0.2732



47.4582, 0.3828, 0.3735

# Complementary

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



47.4582, 0.2626, 0.3403



26.3312, 0.4025, 0.3185

# 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.



47.4582, 0.3839, 0.3455



47.4582, 0.2626, 0.3403



47.4582, 0.3306, 0.2897

# Square

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



47.4582, 0.2626, 0.3403



47.4582, 0.2633, 0.2694



47.4582, 0.3644, 0.3155



47.4582, 0.3621, 0.3919



# Rectangle

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



47.4582, 0.2626, 0.3403



47.4582, 0.2447, 0.2874



47.4582, 0.3644, 0.3155



47.4582, 0.3856, 0.3648

# Sweetspot

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



47.4601, 0.2626, 0.3403



94.4535, 0.2959, 0.3321



45.7704, 0.3137, 0.4484



20.0993, 0.2942, 0.3324



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.



47.4601, 0.2626, 0.3403



82.9220, 0.2544, 0.3431



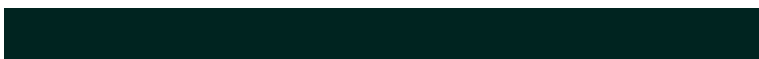
35.4155, 0.2510, 0.2839



12.0484, 0.2997, 0.3313



28.3623, 0.2334, 0.3603



1.3484, 0.2314, 0.3531



# Inverse Universe

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



26.3312, 0.4025, 0.3185



39.9696, 0.4331, 0.3165



34.4460, 0.3962, 0.3695



10.6541, 0.3274, 0.3267



7.8466, 0.6270, 0.3228

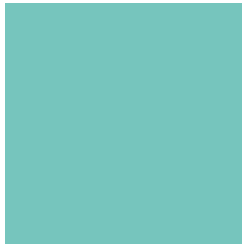


0.3776, 0.5885, 0.3015



# Previews

## White Background



This preview shows how the Yxy color 47.4582, 0.2626, 0.3403 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

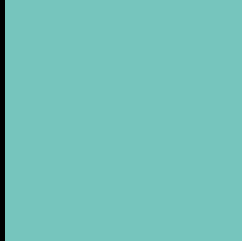
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4582, 0.2626, 0.3403 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

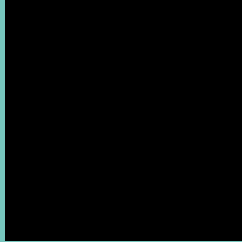
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

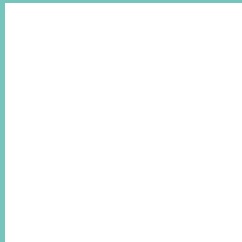
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4582, 0.2626, 0.3403**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4582, 0.2626, 0.3403.

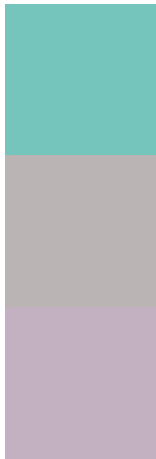


This preview shows how white text looks on a background with the Yxy color 47.4582, 0.2626, 0.3403.

# 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**

47.4582, 0.2626, 0.3403

**Protanopia**

46.7821, 0.3178, 0.3303

**Deuteranopia**

46.8966, 0.3154, 0.3091



## Tritanopia

47.5218, 0.2534, 0.3069

# Trichromacy



**Original Color**

47.4582, 0.2626, 0.3403

**Protanomaly**

46.5366, 0.2947, 0.3344

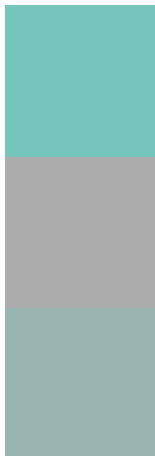
**Deuteranomaly**

46.3022, 0.2928, 0.3183

**Tritanomaly**

47.4321, 0.2570, 0.3191

# Monochromacy



**Original Color**

47.4582, 0.2626, 0.3403

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.9375, 0.2910, 0.3332

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  47.4582, 0.2626, 0.3403 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, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(118, 197, 189)  
}
```

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, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 197, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4582, 0.2626, 0.3403 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, 197, 189) }
```

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

```
.border{ border-color:rgb(118, 197, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(118, 197,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4582, 0.2626, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 197, 189) }
```

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

```
.background{ background-color: rgb(118,  
197, 189) }
```

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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