

# Converting Colors

$Yxy(47.6324, 0.2673, 0.3654)$

Have a look what the booklet for  
Yxy(47.6324, 0.2673, 0.3654)  
contains.

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# Color

**Yxy(47.7832, 0.2675, 0.3657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC8AF
RGB	111, 200, 175
RGB Percent	44%, 78%, 69%
CMY	0.5644, 0.2157, 0.3138
CMYK	0.44, 0.00, 0.13, 0.22
HSL	163°, 45%, 61%
HSV	163°, 44%, 78%
XYZ	34.9522, 47.7832, 47.9269
YIQ	170.5390, -45.0190, -26.6430

# Conversions

## Conversions Part 2

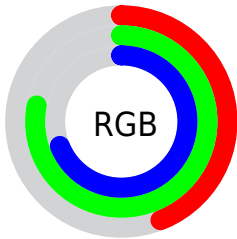
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 163, 200
Decimal	7325871
CIELab	74.69, -32.68, 4.22
CIELCh	75, 32.949, 172.640
Yxy	47.7832, 0.2675, 0.3657
Android (android.graphics.Color)	4285515951 (0xFF6FC8AF)
YUV	170.5390, 2.1993, -52.2157
Hunter-Lab	69.1254, -30.7137, 7.2801

# Details

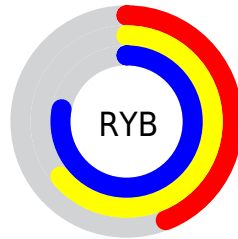
The Yxy color **47.7832, 0.2675, 0.3657** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.4429, 0.3956, 0.2964**, and the grayscale version is **40.4953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4487, 0.2757, 0.3571**, and **22.7721, 0.2543, 0.3766** is the 20% darker color. If you saturate the color by 10%, you get **46.4123, 0.2604, 0.3756**, and if you desaturate by 10%, it is **49.4576, 0.2761, 0.3563**.

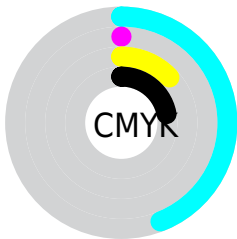
# Distribution



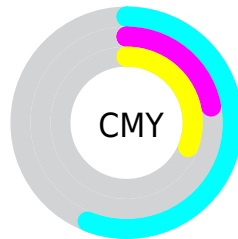
- Red (44%)
- Green (78%)
- Blue (69%)



- Red (44%)
- Yellow (64%)
- Blue (78%)



- Cyan (44%)
- Magenta (0%)
- Yellow (13%)
- Black (22%)




- Cyan (56%)
- Magenta (22%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7832, 0.2675, 0.3657 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 47.7832, 0.2675, 0.3657 by changing the saturation by 10% instead.





 47.7832, 0.2675,  
0.3657


 47.7832, 0.2675,  
0.3657


377.9321, 0.2901,  
0.3471


 33.6552, 0.2619,  
0.3704


 86.8815, 0.2757,  
0.3589

 22.6289, 0.2546,  
0.3765


 112.6207, 0.2788,  
0.3563

 14.3197, 0.2450,  
0.3847


 142.9990, 0.2814,  
0.3542

 8.3434, 0.2317,  
0.3963

178.4009, 0.2836,  
0.3524

 4.3154, 0.2119,  
0.4139

219.2108, 0.2856,  
0.3508

 1.8515, 0.1793,  
0.4440

265.8130, 0.2873,

 0.5190, 0.0000,

0.3494

0.6578

318.5920, 0.2888,  
0.3482

0.0000, 0.0000,  
0.0000

47.7832, 0.2675,  
0.3657

47.7832, 0.2675,  
0.3657

46.4123, 0.2604,  
0.3756

49.4576, 0.2761,  
0.3563

45.3195, 0.2549,  
0.3860

51.4477, 0.2858,  
0.3475

44.4845, 0.2514,  
0.3965


53.7718, 0.2964,  
0.3394

43.8817, 0.2499,  
0.4072


56.4454, 0.3076,  
0.3321

43.4802, 0.2502,  
0.4177

59.4827, 0.3191,  
0.3254

 43.3122, 0.2510,  
0.4235

 62.8973, 0.3307,  
0.3195

 66.7020, 0.3423,  
0.3143

 67.7335, 0.3410,  
0.3088

 68.0367, 0.3367,  
0.3032

# Harmonies

## Analogous

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



47.7832, 0.3095, 0.4009



47.7832, 0.2675, 0.3657



47.7832, 0.2388, 0.3204

# Triad

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



47.7832, 0.2675, 0.3657



47.7832, 0.2681, 0.2563



47.7832, 0.4040, 0.3660

# Complementary

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



47.7832, 0.2675, 0.3657



25.4429, 0.3956, 0.2964

# 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.



47.7832, 0.3921, 0.3295



47.7832, 0.2675, 0.3657



47.7832, 0.3106, 0.2690

# Square

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



47.7832, 0.2675, 0.3657



47.7832, 0.2393, 0.2601



47.7832, 0.3569, 0.2951



47.7832, 0.3894, 0.3967



# Rectangle

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



47.7832, 0.2675, 0.3657



47.7832, 0.2301, 0.2933



47.7832, 0.3569, 0.2951



47.7832, 0.4031, 0.3541

# Sweetspot

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



47.7851, 0.2675, 0.3657



93.6598, 0.2978, 0.3384



47.7125, 0.3245, 0.4591



19.8394, 0.2954, 0.3402



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.



47.7851, 0.2675, 0.3657



80.5111, 0.2608, 0.3749



40.4915, 0.2485, 0.3007



12.0147, 0.3021, 0.3356



27.5566, 0.2506, 0.4220



1.3167, 0.2445, 0.4002



# Inverse Universe

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



25.4429, 0.3956, 0.2964



37.1210, 0.4232, 0.2904



29.4831, 0.4177, 0.3547



10.6852, 0.3246, 0.3225



8.0042, 0.5805, 0.2971

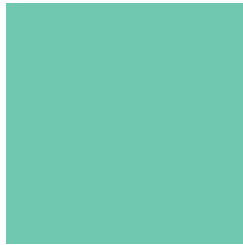


0.3917, 0.5192, 0.2634



# Previews

## White Background



This preview shows how the Yxy color 47.7832, 0.2675, 0.3657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

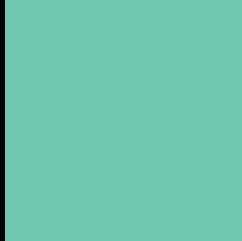
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7832, 0.2675, 0.3657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

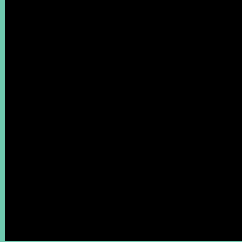
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

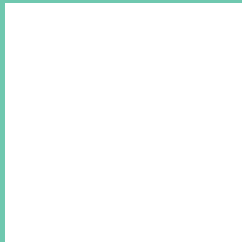
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.7832, 0.2675, 0.3657**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7832, 0.2675, 0.3657.



This preview shows how white text looks on a background with the Yxy color 47.7832, 0.2675, 0.3657.

# 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

47.7832, 0.2675, 0.3657

### Protanopia

47.1197, 0.3335, 0.3511

### Deuteranopia

47.1571, 0.3315, 0.3253



## Tritanopia

47.7983, 0.2514, 0.3069

# Trichromacy



**Original Color**

47.7832, 0.2675, 0.3657

**Protanomaly**

46.8368, 0.3049, 0.3566

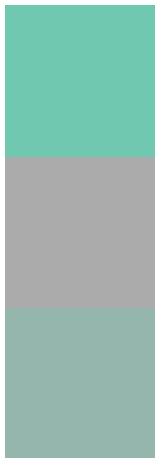
**Deuteranomaly**

46.2371, 0.3040, 0.3384

**Tritanomaly**

47.7916, 0.2569, 0.3274

# Monochromacy



**Original Color**

47.7832, 0.2675, 0.3657

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

42.8240, 0.2931, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7832, 0.2675, 0.3657 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(111, 200, 175)` looks like.

```
.text, #text, p{  
    color:rgb(111, 200, 175)  
}
```

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(111, 200, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 200, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7832, 0.2675, 0.3657 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(111, 200, 175) }
```

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

```
.border{ border-color:rgb(111, 200, 175) }
```

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

Here you see how a box with a 4 pixel rgb(111, 200, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 200, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 200, 175);  
box-shadow:4px 4px 4px 4px rgb(111, 200,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7832, 0.2675, 0.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 200, 175) }
```

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

```
.background{ background-color: rgb(111,  
200, 175) }
```

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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