

# Converting Colors

$Yxy(47.4346, 0.2686, 0.3643)$

Have a look what the booklet for  
Yxy(47.4346, 0.2686, 0.3643)  
contains.

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# Color

**Yxy(47.4527, 0.2684, 0.3642)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71C7AF
RGB	113, 199, 175
RGB Percent	44%, 78%, 69%
CMY	0.5569, 0.2196, 0.3137
CMYK	0.43, 0.00, 0.12, 0.22
HSL	163°, 43%, 61%
HSV	163°, 43%, 78%
XYZ	34.9706, 47.4527, 47.8696
YIQ	170.5500, -43.5520, -25.6960

# Conversions

## Conversions Part 2

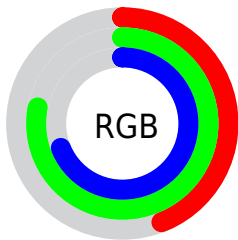
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 163, 199
Decimal	7456687
CIELab	74.48, -31.71, 3.92
CIElCh	74, 31.953, 172.952
Yxy	47.4527, 0.2684, 0.3642
Android (android.graphics.Color)	4285646767 (0xFF71C7AF)
YUV	170.5500, 2.1939, -50.4713
Hunter-Lab	68.8859, -29.9330, 7.0188

# Details

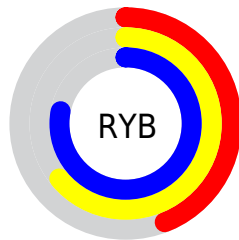
The Yxy color **47.4527, 0.2684, 0.3642** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.7598, 0.3924, 0.2975**, and the grayscale version is **40.4933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6682, 0.2767, 0.3570**, and **22.5507, 0.2555, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **46.0624, 0.2610, 0.3740**, and if you desaturate by 10%, it is **49.1452, 0.2772, 0.3549**.

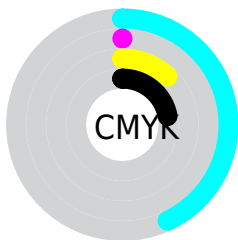
# Distribution



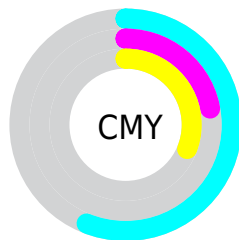
- Red (44%)
- Green (78%)
- Blue (69%)



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



- Cyan (43%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4527, 0.2684, 0.3642 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 47.4527, 0.2684, 0.3642 by changing the saturation by 10% instead.





 47.4527, 0.2684,  
0.3642


 47.4527, 0.2684,  
0.3642


376.6186, 0.2906,  
0.3464


 33.3937, 0.2629,  
0.3687


 86.3890, 0.2765,  
0.3577

 22.4282, 0.2558,  
0.3746


 112.0350, 0.2795,  
0.3552

 14.1719, 0.2463,  
0.3825


 142.3122, 0.2820,  
0.3532

 8.2403, 0.2332,  
0.3936

177.6048, 0.2842,  
0.3514

 4.2491, 0.2137,  
0.4105

218.2974, 0.2861,  
0.3499

 1.8139, 0.1815,  
0.4394

264.7743, 0.2878,

 0.4958, 0.0000,

0.3486

0.6510

317.4199, 0.2893,  
0.3474

0.0000, 0.0000,  
0.0000

47.4527, 0.2684,  
0.3642

47.4527, 0.2684,  
0.3642

46.0624, 0.2610,  
0.3740

49.1452, 0.2772,  
0.3549

44.9493, 0.2554,  
0.3842

51.1516, 0.2871,  
0.3463

44.0938, 0.2516,  
0.3947

53.4901, 0.2978,  
0.3384

43.4712, 0.2498,  
0.4052

56.1755, 0.3090,  
0.3312


43.0516, 0.2499,  
0.4157

59.2219, 0.3206,  
0.3247

 42.8456, 0.2508,  
0.4227

 62.6427, 0.3322,  
0.3189

 66.4504, 0.3438,  
0.3138

 67.2466, 0.3416,  
0.3083

 67.5449, 0.3373,  
0.3028

# Harmonies

## Analogous

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



47.4527, 0.3092, 0.3985



47.4527, 0.2684, 0.3642



47.4527, 0.2406, 0.3203

# Triad

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



47.4527, 0.2684, 0.3642



47.4527, 0.2697, 0.2582



47.4527, 0.4015, 0.3655

# Complementary

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



47.4527, 0.2684, 0.3642



25.7598, 0.3924, 0.2975

# 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.



47.4527, 0.3901, 0.3300



47.4527, 0.2684, 0.3642



47.4527, 0.3112, 0.2708

# Square

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



47.4527, 0.2684, 0.3642



47.4527, 0.2414, 0.2618



47.4527, 0.3561, 0.2963



47.4527, 0.3871, 0.3952



# Rectangle

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



47.4527, 0.2684, 0.3642



47.4527, 0.2322, 0.2940



47.4527, 0.3561, 0.2963



47.4527, 0.4006, 0.3539

# Sweetspot

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



47.4546, 0.2684, 0.3642



93.6641, 0.2978, 0.3384



47.3908, 0.3243, 0.4550



19.8405, 0.2953, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

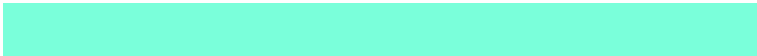


# Same Dimension

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



47.4546, 0.2684, 0.3642



80.7478, 0.2613, 0.3735



40.4269, 0.2501, 0.3017



12.0151, 0.3020, 0.3355



27.5649, 0.2504, 0.4213



1.3171, 0.2443, 0.3996



# Inverse Universe

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



25.7598, 0.3924, 0.2975



37.7953, 0.4204, 0.2913



29.7389, 0.4135, 0.3540



10.6848, 0.3246, 0.3226



8.0015, 0.5812, 0.2975

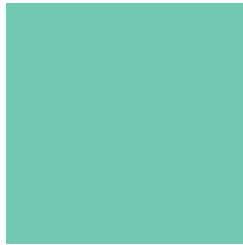


0.3915, 0.5199, 0.2638



# Previews

## White Background



This preview shows how the Yxy color 47.4527, 0.2684, 0.3642 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 47.4527, 0.2684, 0.3642 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

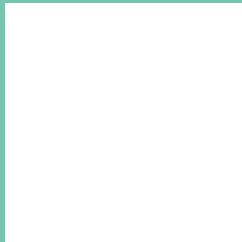
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4527, 0.2684, 0.3642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4527, 0.2684, 0.3642.

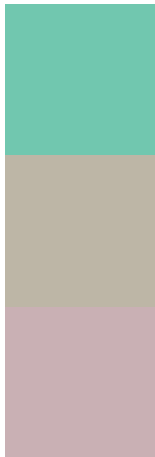


This preview shows how white text looks on a background with the Yxy color 47.4527, 0.2684, 0.3642.

# 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

47.4527, 0.2684, 0.3642

### Protanopia

47.0279, 0.3318, 0.3498

### Deuteranopia

46.7635, 0.3316, 0.3241



## Tritanopia

47.3743, 0.2523, 0.3069

# Trichromacy



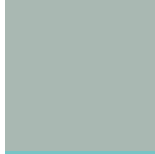
## Original Color

47.4527, 0.2684, 0.3642



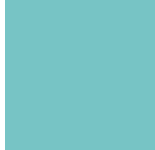
## Protanomaly

46.4081, 0.3050, 0.3552



## Deuteranomaly

45.9303, 0.3048, 0.3371



## Tritanomaly

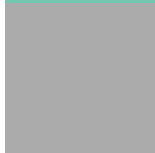
47.4330, 0.2583, 0.3274

# Monochromacy



## Original Color

47.4527, 0.2684, 0.3642



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.5103, 0.2939, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4527, 0.2684, 0.3642 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(113, 199, 175)` looks like.

```
.text, #text, p{  
    color:rgb(113, 199, 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(113, 199, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 199, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4527, 0.2684, 0.3642 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(113, 199, 175) }
```

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

```
.border{ border-color:rgb(113, 199, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 199, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 199, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 199, 175);  
box-shadow:4px 4px 4px 4px rgb(113, 199,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4527, 0.2684, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 199, 175) }
```

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

```
.background{ background-color: rgb(113,  
199, 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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