

# Converting Colors

$Yxy(42.5886, 0.2736, 0.3678)$

Have a look what the booklet for  
Yxy(42.5886, 0.2736, 0.3678)  
contains.

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# Color

**Yxy(42.5862, 0.2734, 0.3672)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71BDA4
RGB	113, 189, 164
RGB Percent	44%, 74%, 64%
CMY	0.5570, 0.2588, 0.3568
CMYK	0.40, 0.00, 0.13, 0.26
HSL	160°, 37%, 59%
HSV	160°, 40%, 74%
XYZ	31.7077, 42.5862, 41.6816
YIQ	163.4260, -37.2710, -23.8870

# Conversions

## Conversions Part 2

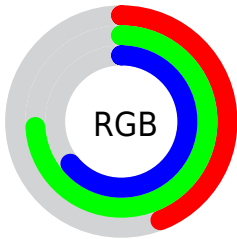
<b>Format</b>	<b>Color</b>
<b>RYB</b>	113, 158, 189
Decimal	7454116
CIELab	71.27, -29.40, 5.25
CIELCh	71, 29.870, 169.874
Yxy	42.5862, 0.2734, 0.3672
Android (android.graphics.Color)	4285644196 (0xFF71BDA4)
YUV	163.4260, 0.2830, -44.2236
Hunter-Lab	65.2581, -27.4718, 7.8110

# Details

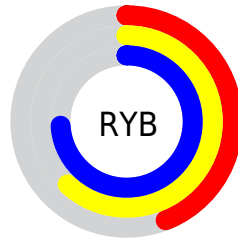
The Yxy color **42.5862, 0.2734, 0.3672** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4584, 0.3791, 0.2946**, and the grayscale version is **36.8486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3508, 0.2809, 0.3602**, and **19.4276, 0.2616, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **41.2435, 0.2661, 0.3787**, and if you desaturate by 10%, it is **44.2044, 0.2820, 0.3564**.

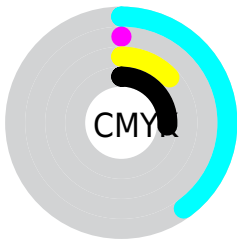
# Distribution



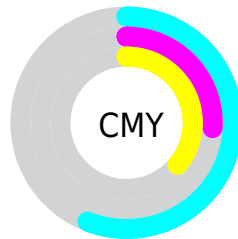
- Red (44%)
- Green (74%)
- Blue (64%)



- Red (44%)
- Yellow (62%)
- Blue (74%)



- Cyan (40%)
- Magenta (0%)
- Yellow (13%)
- Black (26%)




- Cyan (56%)
- Magenta (26%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5862, 0.2734, 0.3672 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 42.5862, 0.2734, 0.3672 by changing the saturation by 10% instead.





 42.5862, 0.2734,  
0.3672

 42.5862, 0.2734,  
0.3672


356.9072, 0.2935,  
0.3474


 29.5606, 0.2682,  
0.3724


 79.0860, 0.2808,  
0.3598

 19.5053, 0.2615,  
0.3792


 103.3291, 0.2836,  
0.3571

 12.0360, 0.2524,  
0.3885


 132.0800, 0.2859,  
0.3548

 6.7682, 0.2394,  
0.4021

165.7232, 0.2879,  
0.3529

 3.3175, 0.2195,  
0.4235

204.6432, 0.2896,  
0.3512

 1.2997, 0.1697,  
0.4709

249.2242, 0.2911,

 0.1410, 0.0000,

0.3498

1.0000

299.8508, 0.2924,  
0.3485

0.0000, 0.0000,  
0.0000

42.5862, 0.2734,  
0.3672

42.5862, 0.2734,  
0.3672

41.2435, 0.2661,  
0.3787

44.2044, 0.2820,  
0.3564

40.1545, 0.2603,  
0.3907

46.1078, 0.2916,  
0.3465

39.3027, 0.2563,  
0.4031


48.3123, 0.3018,  
0.3374


38.6673, 0.2542,  
0.4156


50.8309, 0.3125,  
0.3292

38.2235, 0.2541,  
0.4282

53.6757, 0.3233,  
0.3218

 37.9273, 0.2556,  
0.4402

 56.8583, 0.3341,  
0.3153

 60.3898, 0.3448,  
0.3095

 62.4976, 0.3477,  
0.3038

 62.8204, 0.3427,  
0.2975

# Harmonies

## Analogous

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



42.5862, 0.3138, 0.3984



42.5862, 0.2734, 0.3672



42.5862, 0.2447, 0.3249

# Triad

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



42.5862, 0.2734, 0.3672



42.5862, 0.2675, 0.2598



42.5862, 0.3988, 0.3612

# Complementary

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



42.5862, 0.2734, 0.3672



24.4584, 0.3791, 0.2946

# 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.



42.5862, 0.3852, 0.3265



42.5862, 0.2734, 0.3672



42.5862, 0.3068, 0.2705

# Square

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



42.5862, 0.2734, 0.3672



42.5862, 0.2416, 0.2652



42.5862, 0.3506, 0.2943



42.5862, 0.3874, 0.3909



# Rectangle

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



42.5862, 0.2734, 0.3672



42.5862, 0.2352, 0.2988



42.5862, 0.3506, 0.2943



42.5862, 0.3970, 0.3498

# Sweetspot

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



42.5879, 0.2734, 0.3672



85.7019, 0.2998, 0.3391



43.0198, 0.3270, 0.4436



18.3157, 0.2984, 0.3403



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



42.5879, 0.2734, 0.3672



74.1842, 0.2670, 0.3770



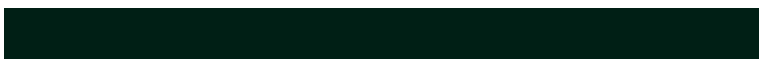
38.3654, 0.2550, 0.3098



10.7548, 0.3027, 0.3366



25.5316, 0.2552, 0.4386



1.0117, 0.2470, 0.4091



# Inverse Universe

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



24.4584, 0.3791, 0.2946



37.3815, 0.4008, 0.2876



26.8432, 0.4056, 0.3469



9.5867, 0.3238, 0.3215



7.5267, 0.5629, 0.2875

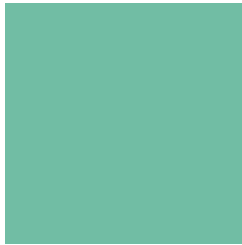


0.3072, 0.4939, 0.2495



# Previews

## White Background



This preview shows how the Yxy color 42.5862, 0.2734, 0.3672 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 42.5862, 0.2734, 0.3672 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

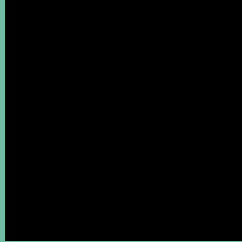
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

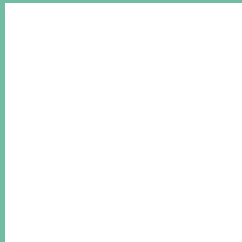
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.5862, 0.2734, 0.3672**

## Background



This preview shows how black text looks on a background with the Yxy color 42.5862, 0.2734, 0.3672.

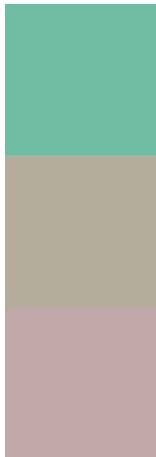


This preview shows how white text looks on a background with the Yxy color 42.5862, 0.2734, 0.3672.

# 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

42.5862, 0.2734, 0.3672

### Protanopia

42.1112, 0.3345, 0.3521

### Deuteranopia

42.0389, 0.3351, 0.3291



## Tritanopia

42.5421, 0.2563, 0.3074

# Trichromacy



## Original Color

42.5862, 0.2734, 0.3672



## Protanomaly

41.8113, 0.3088, 0.3578



## Deuteranomaly

41.6272, 0.3086, 0.3416



## Tritanomaly

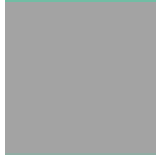
42.5849, 0.2628, 0.3289

# Monochromacy



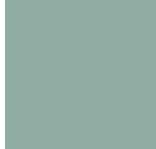
## Original Color

42.5862, 0.2734, 0.3672



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

38.1691, 0.2964, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5862, 0.2734, 0.3672 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, 189, 164)` looks like.

```
.text, #text, p{  
    color:rgb(113, 189, 164)  
}
```

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, 189, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 189, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5862, 0.2734, 0.3672 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, 189, 164) }
```

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

```
.border{ border-color:rgb(113, 189, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 189, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 189, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 189, 164);  
box-shadow:4px 4px 4px 4px rgb(113, 189,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5862, 0.2734, 0.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 189, 164) }
```

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

```
.background{ background-color: rgb(113,  
189, 164) }
```

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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