

# Converting Colors

$Y_{xy}(41.1155, 0.2717, 0.3532)$

Have a look what the booklet for  
Yxy(41.1155, 0.2717, 0.3532)  
contains.

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# Color

**Yxy(41.2755, 0.2715, 0.3533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74B9A9
RGB	116, 185, 169
RGB Percent	45%, 73%, 66%
CMY	0.5449, 0.2745, 0.3372
CMYK	0.37, 0.00, 0.09, 0.27
HSL	166°, 33%, 59%
HSV	166°, 37%, 73%
XYZ	31.7189, 41.2755, 43.8340
YIQ	162.5450, -35.9880, -19.6040

# Conversions

## Conversions Part 2

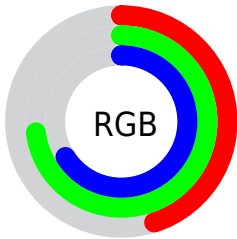
Format	Color
<b>RYB</b>	116, 155, 185
Decimal	7649705
CIELab	70.37, -25.46, 1.23
CIElCh	70, 25.494, 177.226
Yxy	41.2755, 0.2715, 0.3533
Android (android.graphics.Color)	4285839785 (0xFF74B9A9)
YUV	162.5450, 3.1823, -40.8200
Hunter-Lab	64.2460, -24.3032, 4.5196

# Details

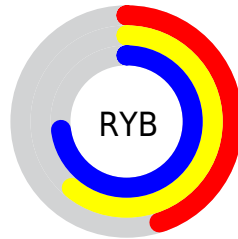
The Yxy color **41.2755, 0.2715, 0.3533** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4853, 0.3809, 0.3065**, and the grayscale version is **36.4046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9503, 0.2795, 0.3485**, and **18.8436, 0.2593, 0.3616** is the 20% darker color. If you saturate the color by 10%, you get **39.9738, 0.2629, 0.3610**, and if you desaturate by 10%, it is **42.8383, 0.2814, 0.3460**.

# Distribution



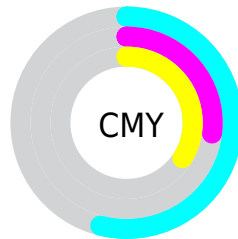
- Red (45%)
- Green (73%)
- Blue (66%)



- Red (45%)
- Yellow (61%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)




- Cyan (54%)
- Magenta (27%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2755, 0.2715, 0.3533 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 41.2755, 0.2715, 0.3533 by changing the saturation by 10% instead.





 41.2755, 0.2715,  
0.3533


 41.2755, 0.2715,  
0.3533


351.4707, 0.2925,  
0.3409


 28.5344, 0.2661,  
0.3565


 77.1019, 0.2792,  
0.3487

 18.7289, 0.2592,  
0.3607


 100.9561, 0.2821,  
0.3470

 11.4746, 0.2498,  
0.3663

 129.2834, 0.2845,  
0.3456

 6.3870, 0.2365,  
0.3744

162.4682, 0.2866,  
0.3444

 3.0818, 0.2161,  
0.3870

200.8949, 0.2884,  
0.3433

 1.1746, 0.1664,  
0.4163

244.9480, 0.2899,

 0.0408, 0.0000,

0.3424

1.0000

295.0118, 0.2913,  
0.3416

0.0000, 0.0000,  
0.0000

41.2755, 0.2715,  
0.3533

41.2755, 0.2715,  
0.3533

39.9738, 0.2629,  
0.3610

42.8383, 0.2814,  
0.3460

38.9131, 0.2557,  
0.3691

44.6710, 0.2923,  
0.3393

38.0784, 0.2504,  
0.3775


46.7883, 0.3040,  
0.3331

37.4507, 0.2470,  
0.3860


49.2021, 0.3161,  
0.3275


37.0082, 0.2455,  
0.3946

51.9237, 0.3283,  
0.3225

 36.7191, 0.2457,  
0.4030

 54.9640, 0.3406,  
0.3180

 36.6510, 0.2459,  
0.4054

 58.3330, 0.3528,  
0.3141

 60.2827, 0.3571,  
0.3101

 60.4906, 0.3535,  
0.3058

# Harmonies

## Analogous

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



41.2755, 0.3049, 0.3833



41.2755, 0.2715, 0.3533



41.2755, 0.2497, 0.3172

# Triad

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



41.2755, 0.2715, 0.3533



41.2755, 0.2812, 0.2697



41.2755, 0.3865, 0.3645

# Complementary

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



41.2755, 0.2715, 0.3533



24.4853, 0.3809, 0.3065

# 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.



41.2755, 0.3799, 0.3347



41.2755, 0.2715, 0.3533



41.2755, 0.3172, 0.2821

# Square

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



41.2755, 0.2715, 0.3533



41.2755, 0.2551, 0.2710



41.2755, 0.3539, 0.3053



41.2755, 0.3720, 0.3876



# Rectangle

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



41.2755, 0.2715, 0.3533



41.2755, 0.2440, 0.2961



41.2755, 0.3539, 0.3053



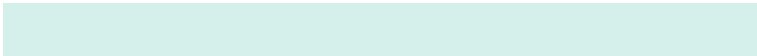
41.2755, 0.3867, 0.3550

# Sweetspot

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



41.2772, 0.2715, 0.3533



82.2564, 0.2994, 0.3355



40.8748, 0.3204, 0.4359



17.6226, 0.2978, 0.3363



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



41.2772, 0.2715, 0.3533



71.9260, 0.2641, 0.3598



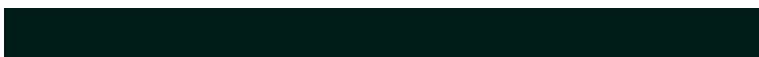
34.7148, 0.2574, 0.3007



10.1740, 0.3015, 0.3344



24.9696, 0.2456, 0.4043



0.8891, 0.2396, 0.3825



# Inverse Universe

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



24.4853, 0.3809, 0.3065



37.3598, 0.4047, 0.3015



28.7485, 0.3924, 0.3553



9.0454, 0.3252, 0.3237



7.1509, 0.5955, 0.3054

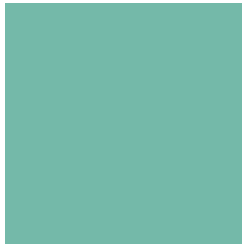


0.2618, 0.5222, 0.2650



# Previews

## White Background



This preview shows how the Yxy color 41.2755, 0.2715, 0.3533 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 41.2755, 0.2715, 0.3533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

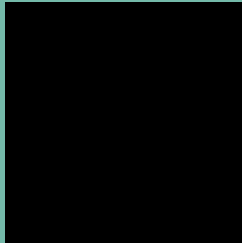
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.2755, 0.2715, 0.3533**

## Background



This preview shows how black text looks on a background with the Yxy color 41.2755, 0.2715, 0.3533.

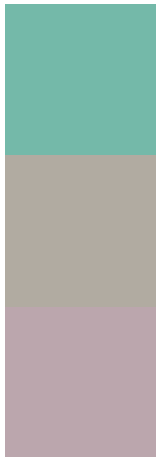


This preview shows how white text looks on a background with the Yxy color 41.2755, 0.2715, 0.3533.

# 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

41.2755, 0.2715, 0.3533

### Protanopia

41.0461, 0.3267, 0.3428

### Deuteranopia

40.8544, 0.3262, 0.3198



## Tritanopia

41.2442, 0.2581, 0.3072

# Trichromacy



## Original Color

41.2755, 0.2715, 0.3533

## Protanomaly

40.6996, 0.3041, 0.3463

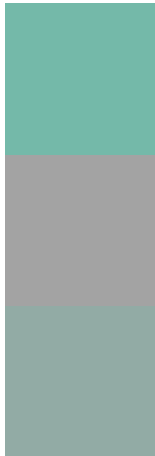
## Deuteranomaly

40.4428, 0.3030, 0.3304

## Tritanomaly

40.9941, 0.2626, 0.3229

# Monochromacy



## Original Color

41.2755, 0.2715, 0.3533

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

37.9534, 0.2956, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2755, 0.2715, 0.3533 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(116, 185, 169)` looks like.

```
.text, #text, p{  
    color:rgb(116, 185, 169)  
}
```

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(116, 185, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 185, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2755, 0.2715, 0.3533 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(116, 185, 169) }
```

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

```
.border{ border-color:rgb(116, 185, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 185, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 185, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 185, 169); box-shadow:4px 4px 4px 4px rgb(116, 185, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2755, 0.2715, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 185, 169) }
```

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

```
.background{ background-color: rgb(116,  
185, 169) }
```

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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