

# Converting Colors

Yxy(41.2646, 0.2663, 0.3456)

Have a look what the booklet for  
Yxy(41.2646, 0.2663, 0.3456)  
contains.

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# Color

**Yxy(41.2646, 0.2663, 0.3456)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71B9AE
RGB	113, 185, 174
RGB Percent	44%, 73%, 68%
CMY	0.5570, 0.2745, 0.3176
CMYK	0.39, 0.00, 0.06, 0.27
HSL	171°, 34%, 58%
HSV	171°, 39%, 73%
XYZ	31.7962, 41.2646, 46.3391
YIQ	162.2180, -39.3810, -18.6850

# Conversions

## Conversions Part 2

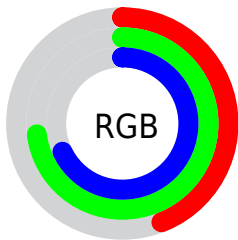
Format	Color
<a href="#">RYB</a>	<a href="#">113, 152, 185</a>
Decimal	<a href="#">7453102</a>
CIELab	<a href="#">70.36, -25.15, -1.54</a>
CIELCh	<a href="#">70, 25.197, 183.505</a>
Yxy	<a href="#">41.2646, 0.2663, 0.3456</a>
Android (android.graphics.Color)	<a href="#">4285643182 (0xFF71B9AE)</a>
YUV	<a href="#">162.2180, 5.8085, -43.1642</a>
Hunter-Lab	<a href="#">64.2375, -24.0620, 2.1962</a>

# Details

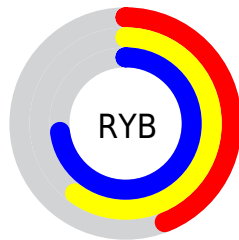
The Yxy color **41.2646, 0.2663, 0.3456** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5719, 0.3931, 0.3136**, and the grayscale version is **36.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8926, 0.2752, 0.3427**, and **18.8375, 0.2525, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **40.0532, 0.2572, 0.3506**, and if you desaturate by 10%, it is **42.7317, 0.2768, 0.3409**.

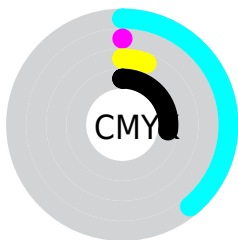
# Distribution



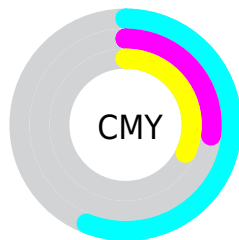
- Red (44%)
- Green (73%)
- Blue (68%)



- Red (44%)
- Yellow (60%)
- Blue (73%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)




- Cyan (56%)
- Magenta (27%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2646, 0.2663, 0.3456 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 41.2646, 0.2663, 0.3456 by changing the saturation by 10% instead.



 41.2646, 0.2663,  
0.3456

 41.2646, 0.2663,  
0.3456


351.4253, 0.2898,  
0.3373


 28.5259, 0.2603,  
0.3477


 77.0854, 0.2749,  
0.3426

 18.7225, 0.2526,  
0.3503


 100.9363, 0.2781,  
0.3415

 11.4699, 0.2423,  
0.3538


 129.2600, 0.2808,  
0.3405

 6.3838, 0.2277,  
0.3587

162.4410, 0.2832,  
0.3397

 3.0799, 0.2057,  
0.3658

200.8636, 0.2852,  
0.3390

 1.1736, 0.1555,  
0.3833

244.9123, 0.2869,

 0.0400, 0.0000,

0.3383

0.2090

294.9714, 0.2885,  
0.3378

0.0000, 0.0000,  
0.0000

41.2646, 0.2663,  
0.3456

41.2646, 0.2663,  
0.3456

40.0532, 0.2572,  
0.3506

42.7317, 0.2768,  
0.3409

39.0772, 0.2498,  
0.3558

44.4637, 0.2885,  
0.3364

38.3213, 0.2441,  
0.3611


46.4750, 0.3010,  
0.3323


37.7662, 0.2404,  
0.3665

48.7779, 0.3141,  
0.3286

37.3894, 0.2386,  
0.3719

51.3838, 0.3276,  
0.3253


 37.1508, 0.2383,  
0.3772

 54.3034, 0.3411,  
0.3223

 37.1279, 0.2383,  
0.3778

 57.5471, 0.3546,  
0.3196

 59.9744, 0.3628,  
0.3171

 60.1048, 0.3604,  
0.3142

# Harmonies

## Analogous

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



41.2646, 0.2975, 0.3776



41.2646, 0.2663, 0.3456



41.2646, 0.2478, 0.3104

# Triad

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



41.2646, 0.2663, 0.3456



41.2646, 0.2884, 0.2718



41.2646, 0.3843, 0.3698

# Complementary

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



41.2646, 0.2663, 0.3456



23.5719, 0.3931, 0.3136

# 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.



41.2646, 0.3822, 0.3411



41.2646, 0.2663, 0.3456



41.2646, 0.3250, 0.2867

# Square

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



41.2646, 0.2663, 0.3456



41.2646, 0.2600, 0.2702



41.2646, 0.3601, 0.3114



41.2646, 0.3661, 0.3901



# Rectangle

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



41.2646, 0.2663, 0.3456



41.2646, 0.2445, 0.2910



41.2646, 0.3601, 0.3114



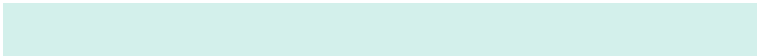
41.2646, 0.3860, 0.3607

# Sweetspot

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



41.2662, 0.2663, 0.3456



81.9992, 0.2969, 0.3336



40.2507, 0.3166, 0.4428



17.5758, 0.2952, 0.3342



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.



41.2662, 0.2663, 0.3456



71.9599, 0.2582, 0.3500



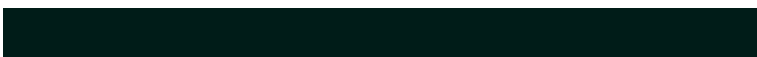
32.4990, 0.2539, 0.2915



10.1864, 0.3005, 0.3325



25.2869, 0.2381, 0.3771



0.8979, 0.2343, 0.3633



# Inverse Universe

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



23.5719, 0.3931, 0.3136



35.6830, 0.4217, 0.3104



29.3921, 0.3946, 0.3632



9.0340, 0.3264, 0.3255



7.0880, 0.6164, 0.3169

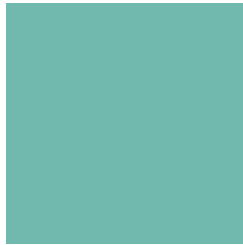


0.2570, 0.5556, 0.2834



# Previews

## White Background



This preview shows how the Yxy color 41.2646, 0.2663, 0.3456 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 41.2646, 0.2663, 0.3456 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

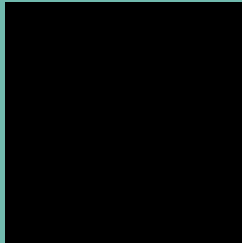
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

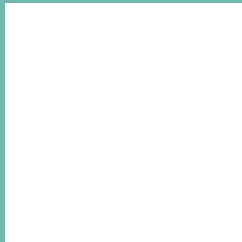
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 41.2646, 0.2663, 0.3456**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2646, 0.2663, 0.3456.

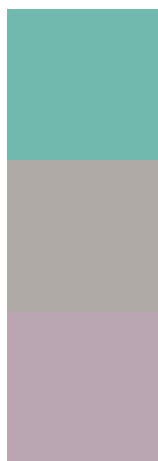


This preview shows how white text looks on a background with the Yxy color 41.2646, 0.2663, 0.3456.

# 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

41.2646, 0.2663, 0.3456

### Protanopia

40.7327, 0.3216, 0.3345

### Deuteranopia

40.8011, 0.3199, 0.3132



## Tritanopia

41.3634, 0.2558, 0.3085

# Trichromacy



## Original Color

41.2646, 0.2663, 0.3456

## Protanomaly

40.2968, 0.2985, 0.3376

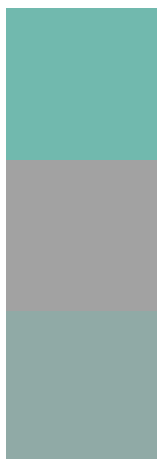
## Deuteranomaly

40.4324, 0.2973, 0.3233

## Tritanomaly

41.2797, 0.2597, 0.3215

# Monochromacy



## Original Color

41.2646, 0.2663, 0.3456

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

37.4319, 0.2931, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2646, 0.2663, 0.3456 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, 185, 174)` looks like.

```
.text, #text, p{  
    color:rgb(113, 185, 174)  
}
```

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, 185, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 185, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2646, 0.2663, 0.3456 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, 185, 174) }
```

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

```
.border{ border-color:rgb(113, 185, 174) }
```

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

Here you see how a box with a 4 pixel rgb(113, 185, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 185, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 185, 174);  
box-shadow:4px 4px 4px 4px rgb(113, 185,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2646, 0.2663, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 185, 174) }
```

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

```
.background{ background-color: rgb(113,  
185, 174) }
```

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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