

# Converting Colors

$Y_{xy}(44.4969, 0.2591, 0.3465)$

Have a look what the booklet for  
Yxy(44.4969, 0.2591, 0.3465)  
contains.

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# Color

**Yxy(44.4794, 0.2591, 0.3468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69C1B5
RGB	105, 193, 181
RGB Percent	41%, 76%, 71%
CMY	0.5884, 0.2431, 0.2902
CMYK	0.46, 0.00, 0.06, 0.24
HSL	172°, 42%, 58%
HSV	172°, 46%, 76%
XYZ	33.2313, 44.4794, 50.5459
YIQ	165.3200, -48.5960, -22.3880

# Conversions

## Conversions Part 2

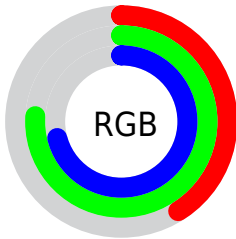
Format	Color
<a href="#">RYB</a>	<a href="#">105, 152, 193</a>
Decimal	<a href="#">6930869</a>
<a href="#">CIELab</a>	<a href="#">72.55, -29.43, -2.19</a>
<a href="#">CIElCh</a>	<a href="#">73, 29.512, 184.258</a>
<a href="#">Yxy</a>	<a href="#">44.4794, 0.2591, 0.3468</a>
Android (android.graphics.Color)	<a href="#">4285120949</a> ( <a href="#">0xFF69C1B5</a> )
<a href="#">YUV</a>	<a href="#">165.3200, 7.7302, -52.9006</a>
<a href="#">Hunter-Lab</a>	<a href="#">66.6929, -27.7707, 1.7497</a>

# Details

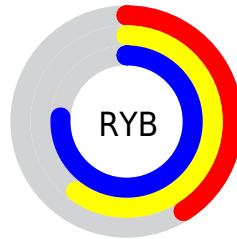
The Yxy color **44.4794, 0.2591, 0.3468** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **22.7165, 0.4168, 0.3130**, and the grayscale version is **37.7636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0627, 0.2687, 0.3436**, and **20.6281, 0.2441, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **43.3356, 0.2510, 0.3514**, and if you desaturate by 10%, it is **45.8940, 0.2689, 0.3424**.

# Distribution



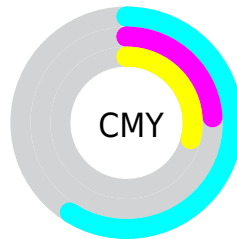
- Red (41%)
- Green (76%)
- Blue (71%)



- Red (41%)
- Yellow (60%)
- Blue (76%)



- Cyan (46%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)



- Cyan (59%)
- Magenta (24%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4794, 0.2591, 0.3468 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 44.4794, 0.2591, 0.3468 by changing the saturation by 10% instead.





 44.4794, 0.2591,  
0.3468


 44.4794, 0.2591,  
0.3468


364.6610, 0.2859,  
0.3381


 31.0476, 0.2524,  
0.3489


 81.9386, 0.2688,  
0.3437

 20.6351, 0.2439,  
0.3516


 106.7348, 0.2725,  
0.3425

 12.8575, 0.2326,  
0.3551


 136.0880, 0.2756,  
0.3415

 7.3305, 0.2170,  
0.3597

 170.3824, 0.2782,  
0.3406

 3.6696, 0.1940,  
0.3663

210.0025, 0.2805,  
0.3399

 1.4905, 0.1527,  
0.3781

255.3327, 0.2825,

 0.2821, 0.0000,

0.3392

0.3799

306.7574, 0.2843,  
0.3386

0.0000, 0.0000,  
0.0000

44.4794, 0.2591,  
0.3468

44.4794, 0.2591,  
0.3468

43.3356, 0.2510,  
0.3514

45.8940, 0.2689,  
0.3424

42.4390, 0.2446,  
0.3561

47.5905, 0.2800,  
0.3383

41.7710, 0.2402,  
0.3609


49.5858, 0.2922,  
0.3344


41.3077, 0.2376,  
0.3657

51.8941, 0.3052,  
0.3309

41.0198, 0.2368,  
0.3704


54.5285, 0.3187,  
0.3276

 40.9226, 0.2368,  
0.3725

 57.5013, 0.3325,  
0.3247

 60.8245, 0.3463,  
0.3222

 63.6721, 0.3565,  
0.3198

 63.7980, 0.3543,  
0.3171

# Harmonies

## Analogous

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



44.4794, 0.2941, 0.3843



44.4794, 0.2591, 0.3468



44.4794, 0.2389, 0.3064

# Triad

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



44.4794, 0.2591, 0.3468



44.4794, 0.2858, 0.2646



44.4794, 0.3941, 0.3755

# Complementary

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



44.4794, 0.2591, 0.3468



22.7165, 0.4168, 0.3130

# 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.



44.4794, 0.3926, 0.3430



44.4794, 0.2591, 0.3468



44.4794, 0.3277, 0.2817

# Square

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



44.4794, 0.2591, 0.3468



44.4794, 0.2535, 0.2621



44.4794, 0.3677, 0.3096



44.4794, 0.3726, 0.3989



# Rectangle

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



44.4794, 0.2591, 0.3468



44.4794, 0.2355, 0.2846



44.4794, 0.3677, 0.3096



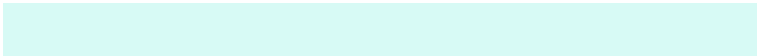
44.4794, 0.3964, 0.3653

# Sweetspot

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



44.4812, 0.2591, 0.3468



89.3434, 0.2939, 0.3339



43.0267, 0.3155, 0.4663



18.9866, 0.2912, 0.3347



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



44.4812, 0.2591, 0.3468



77.5614, 0.2508, 0.3515



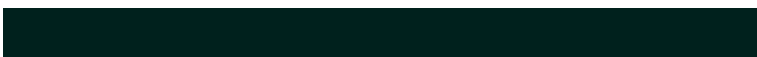
32.7593, 0.2439, 0.2813



11.4040, 0.3002, 0.3321



27.2237, 0.2366, 0.3719



1.1829, 0.2337, 0.3613



# Inverse Universe

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



22.7165, 0.4168, 0.3130



33.6390, 0.4551, 0.3103



29.9027, 0.4134, 0.3711



10.0998, 0.3268, 0.3259



7.5984, 0.6203, 0.3191

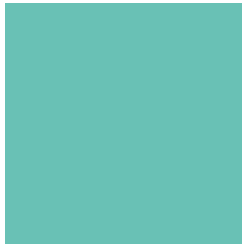


0.3357, 0.5698, 0.2913



# Previews

## White Background



This preview shows how the Yxy color 44.4794, 0.2591, 0.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

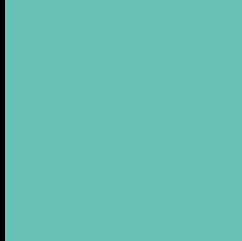
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4794, 0.2591, 0.3468 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 44.4794, 0.2591, 0.3468**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4794, 0.2591, 0.3468.

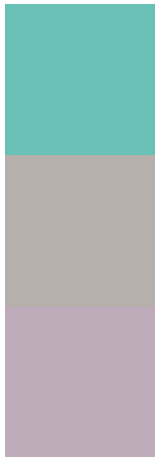


This preview shows how white text looks on a background with the Yxy color 44.4794, 0.2591, 0.3468.

# 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

44.4794, 0.2591, 0.3468

### Protanopia

43.8147, 0.3213, 0.3357

### Deuteranopia

43.9974, 0.3171, 0.3111



## Tritanopia

44.2477, 0.2483, 0.3061

# Trichromacy



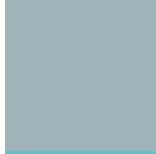
## Original Color

44.4794, 0.2591, 0.3468



## Protanomaly

43.3233, 0.2941, 0.3388



## Deuteranomaly

43.4741, 0.2922, 0.3234



## Tritanomaly

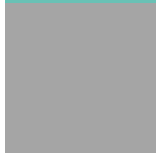
44.0636, 0.2520, 0.3201

# Monochromacy



## Original Color

44.4794, 0.2591, 0.3468



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

39.4399, 0.2887, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4794, 0.2591, 0.3468 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(105, 193, 181)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 181)  
}
```

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(105, 193, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4794, 0.2591, 0.3468 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(105, 193, 181) }
```

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

```
.border{ border-color:rgb(105, 193, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 193, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 181);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4794, 0.2591, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 181) }
```

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

```
.background{ background-color: rgb(105,  
193, 181) }
```

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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