

# Converting Colors

$Y_{xy}(44.7739, 0.2628, 0.3427)$

Have a look what the booklet for  
Yxy(44.7739, 0.2628, 0.3427)  
contains.

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# Color

**Yxy(44.6956, 0.2628, 0.3421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72C0B7
RGB	114, 192, 183
RGB Percent	45%, 75%, 72%
CMY	0.5530, 0.2470, 0.2823
CMYK	0.41, 0.00, 0.05, 0.25
HSL	173°, 38%, 60%
HSV	173°, 41%, 75%
XYZ	34.3350, 44.6956, 51.6201
YIQ	167.6520, -43.5990, -19.3350

# Conversions

## Conversions Part 2

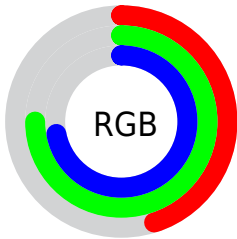
Format	Color
<a href="#">RYB</a>	<a href="#">114, 155, 192</a>
Decimal	<a href="#">7520439</a>
CIELab	<a href="#">72.69, -26.19, -3.03</a>
CIELCh	<a href="#">73, 26.366, 186.607</a>
Yxy	<a href="#">44.6956, 0.2628, 0.3421</a>
Android (android.graphics.Color)	<a href="#">4285710519</a> ( <a href="#">0xFF72C0B7</a> )
YUV	<a href="#">167.6520, 7.5666, -47.0528</a>
Hunter-Lab	<a href="#">66.8548, -25.3225, 1.0192</a>

# Details

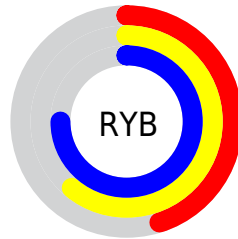
The Yxy color **44.6956, 0.2628, 0.3421** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.6681, 0.4025, 0.3169**, and the grayscale version is **38.9560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4184, 0.2716, 0.3401**, and **20.7185, 0.2488, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **43.4508, 0.2537, 0.3459**, and if you desaturate by 10%, it is **46.2156, 0.2735, 0.3385**.

# Distribution



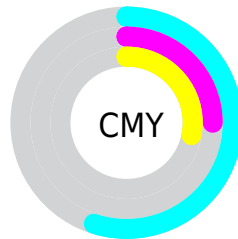
- Red (45%)
- Green (75%)
- Blue (72%)



- Red (45%)
- Yellow (61%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6956, 0.2628, 0.3421 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 44.6956, 0.2628, 0.3421 by changing the saturation by 10% instead.




 44.6956, 0.2628,  
0.3421

 44.6956, 0.2628,  
0.3421


365.5393, 0.2877,  
0.3358


 31.2177, 0.2566,  
0.3436


 82.2634, 0.2718,  
0.3399

 20.7647, 0.2487,  
0.3455


 107.1222, 0.2752,  
0.3390

 12.9521, 0.2382,  
0.3479


 136.5434, 0.2781,  
0.3383

 7.3956, 0.2237,  
0.3511

170.9114, 0.2806,  
0.3376

 3.7107, 0.2023,  
0.3554

210.6106, 0.2827,  
0.3371

 1.5131, 0.1666,  
0.3621

256.0254, 0.2846,

 0.2979, 0.0000,

0.3366

0.3570

307.5401, 0.2862,  
0.3362

0.0000, 0.0000,  
0.0000

44.6956, 0.2628,  
0.3421

44.6956, 0.2628,  
0.3421

43.4508, 0.2537,  
0.3459

46.2156, 0.2735,  
0.3385

42.4589, 0.2462,  
0.3498

48.0211, 0.2854,  
0.3351

41.7026, 0.2407,  
0.3537


50.1282, 0.2983,  
0.3320

41.1603, 0.2370,  
0.3577


52.5504, 0.3118,  
0.3292


40.8062, 0.2352,  
0.3617


55.3003, 0.3258,  
0.3266

 40.5988, 0.2348,  
0.3654

 58.3898, 0.3400,  
0.3243

 61.8302, 0.3542,  
0.3223

 63.1659, 0.3578,  
0.3201

 63.2707, 0.3560,  
0.3178

# Harmonies

## Analogous

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



44.6956, 0.2935, 0.3758



44.6956, 0.2628, 0.3421



44.6956, 0.2456, 0.3066

# Triad

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



44.6956, 0.2628, 0.3421



44.6956, 0.2916, 0.2718



44.6956, 0.3846, 0.3731

# Complementary

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



44.6956, 0.2628, 0.3421



24.6681, 0.4025, 0.3169

# 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.



44.6956, 0.3848, 0.3444



44.6956, 0.2628, 0.3421



44.6956, 0.3292, 0.2881

# Square

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



44.6956, 0.2628, 0.3421



44.6956, 0.2614, 0.2686



44.6956, 0.3641, 0.3140



44.6956, 0.3643, 0.3925



# Rectangle

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



44.6956, 0.2628, 0.3421



44.6956, 0.2434, 0.2877



44.6956, 0.3641, 0.3140



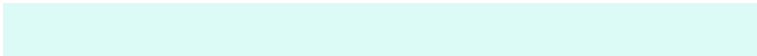
44.6956, 0.3871, 0.3642

# Sweetspot

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



44.6974, 0.2628, 0.3421



90.1919, 0.2962, 0.3325



43.1338, 0.3137, 0.4500



19.2371, 0.2945, 0.3329



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.



44.6974, 0.2628, 0.3421



78.8988, 0.2544, 0.3455



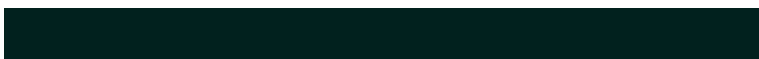
33.2575, 0.2504, 0.2833



11.4078, 0.2999, 0.3317



27.3242, 0.2347, 0.3649



1.1864, 0.2322, 0.3560



# Inverse Universe

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



24.6681, 0.4025, 0.3169



37.5407, 0.4347, 0.3145



32.3359, 0.3974, 0.3700



10.0964, 0.3271, 0.3264



7.5862, 0.6244, 0.3213

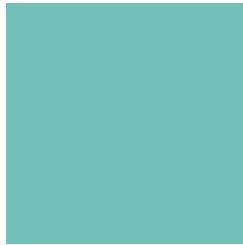


0.3342, 0.5794, 0.2965



# Previews

## White Background



This preview shows how the Yxy color 44.6956, 0.2628, 0.3421 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 44.6956, 0.2628, 0.3421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

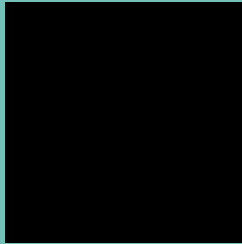
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

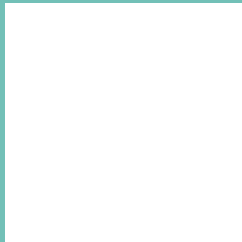
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.6956, 0.2628, 0.3421**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6956, 0.2628, 0.3421.

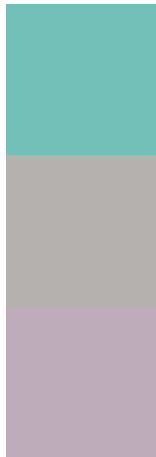


This preview shows how white text looks on a background with the Yxy color 44.6956, 0.2628, 0.3421.

# 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

44.6956, 0.2628, 0.3421

### Protanopia

44.3240, 0.3187, 0.3330

### Deuteranopia

44.0401, 0.3163, 0.3098



## Tritanopia

44.7479, 0.2534, 0.3077

# Trichromacy



**Original Color**

44.6956, 0.2628, 0.3421

**Protanomaly**

43.7983, 0.2958, 0.3359

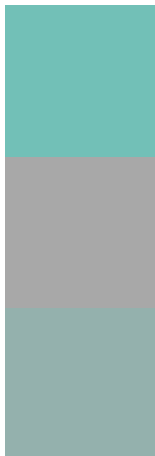
**Deuteranomaly**

43.4668, 0.2931, 0.3194

**Tritanomaly**

44.6640, 0.2570, 0.3202

# Monochromacy



**Original Color**

44.6956, 0.2628, 0.3421

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.7573, 0.2914, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6956, 0.2628, 0.3421 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(114, 192, 183)` looks like.

```
.text, #text, p{  
    color:rgb(114, 192, 183)  
}
```

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(114, 192, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 192, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6956, 0.2628, 0.3421 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(114, 192, 183) }
```

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

```
.border{ border-color:rgb(114, 192, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 192, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 192, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 192, 183);  
box-shadow:4px 4px 4px 4px rgb(114, 192,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6956, 0.2628, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 192, 183) }
```

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

```
.background{ background-color: rgb(114,  
192, 183) }
```

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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