

# Converting Colors

$Yxy(44.3882, 0.2493, 0.3321)$

Have a look what the booklet for  
Yxy(44.3882, 0.2493, 0.3321)  
contains.

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# Color

**Yxy(44.4429, 0.2494, 0.3318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61C1BF
RGB	97, 193, 191
RGB Percent	38%, 76%, 75%
CMY	0.6194, 0.2431, 0.2511
CMYK	0.50, 0.00, 0.01, 0.24
HSL	179°, 44%, 57%
HSV	179°, 50%, 76%
XYZ	33.4058, 44.4429, 56.0961
YIQ	164.0680, -56.5740, -20.9740

# Conversions

## Conversions Part 2

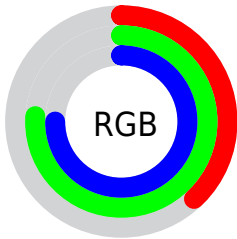
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 146, 193
Decimal	6406591
CIELab	72.52, -28.71, -7.71
CIElCh	73, 29.727, 195.023
Yxy	44.4429, 0.2494, 0.3318
Android (android.graphics.Color)	4284596671 (0xFF61C1BF)
YUV	164.0680, 13.2775, -58.8186
Hunter-Lab	66.6655, -27.2189, -3.2241

# Details

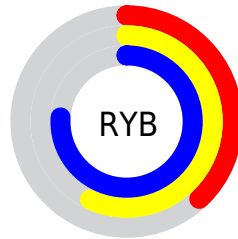
The Yxy color **44.4429, 0.2494, 0.3318** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.7990, 0.4481, 0.3267**, and the grayscale version is **37.1206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9566, 0.2607, 0.3322**, and **20.6235, 0.2318, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **43.4918, 0.2412, 0.3325**, and if you desaturate by 10%, it is **45.6555, 0.2594, 0.3312**.

# Distribution



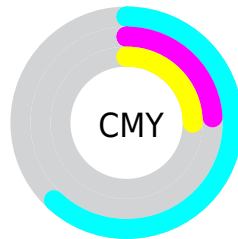
- Red (38%)
- Green (76%)
- Blue (75%)



- Red (38%)
- Yellow (57%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)




- Cyan (62%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4429, 0.2494, 0.3318 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 44.4429, 0.2494, 0.3318 by changing the saturation by 10% instead.





 44.4429, 0.2494,  
0.3318

 44.4429, 0.2494,  
0.3318


364.5126, 0.2807,  
0.3311


 31.0188, 0.2417,  
0.3318


 81.8838, 0.2607,  
0.3317


 20.6132, 0.2319,  
0.3316


 106.6694, 0.2650,  
0.3316

 12.8416, 0.2191,  
0.3312


 136.0110, 0.2686,  
0.3315

 7.3195, 0.2015,  
0.3302

 170.2930, 0.2717,  
0.3314

 3.6627, 0.1763,  
0.3277

209.8998, 0.2744,  
0.3313

 1.4867, 0.1338,  
0.3226

255.2157, 0.2768,

 0.2794, 0.0000,

0.3312

0.2489

306.6251, 0.2789,  
0.3311

0.0000, 0.0000,  
0.0000

44.4429, 0.2494,  
0.3318

44.4429, 0.2494,  
0.3318

43.4918, 0.2412,  
0.3325

45.6555, 0.2594,  
0.3312

42.7778, 0.2348,  
0.3331

47.1414, 0.2711,  
0.3306

42.2812, 0.2304,  
0.3338


48.9181, 0.2841,  
0.3300


41.9764, 0.2277,  
0.3345


51.0000, 0.2982,  
0.3295


41.8151, 0.2265,  
0.3351


53.4006, 0.3132,  
0.3290

 41.8110, 0.2264,  
0.3352

 56.1326, 0.3286,  
0.3286

 59.2081, 0.3443,  
0.3282

 62.6384, 0.3600,  
0.3279

 63.3231, 0.3626,  
0.3275

# Harmonies

## Analogous

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



44.4429, 0.2800, 0.3726



44.4429, 0.2494, 0.3318



44.4429, 0.2355, 0.2936

# Triad

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



44.4429, 0.2494, 0.3318



44.4429, 0.3001, 0.2688



44.4429, 0.3893, 0.3859

# Complementary

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



44.4429, 0.2494, 0.3318



20.7990, 0.4481, 0.3267

# 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.



44.4429, 0.3967, 0.3553



44.4429, 0.2494, 0.3318



44.4429, 0.3432, 0.2904

# Square

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



44.4429, 0.2494, 0.3318



44.4429, 0.2631, 0.2607



44.4429, 0.3795, 0.3212



44.4429, 0.3610, 0.4038



# Rectangle

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



44.4429, 0.2494, 0.3318



44.4429, 0.2366, 0.2752



44.4429, 0.3795, 0.3212



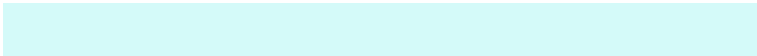
44.4429, 0.3944, 0.3766

# Sweetspot

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



44.4446, 0.2494, 0.3318



89.2144, 0.2903, 0.3298



41.7273, 0.3075, 0.4840



18.9736, 0.2873, 0.3299



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.



44.4446, 0.2494, 0.3318



77.7159, 0.2403, 0.3325



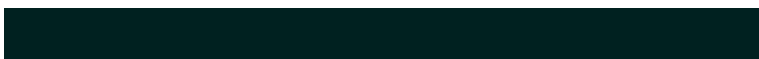
27.6450, 0.2347, 0.2577



11.4247, 0.2987, 0.3294



27.8112, 0.2264, 0.3351



1.2028, 0.2260, 0.3336



# Inverse Universe

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



20.7990, 0.4481, 0.3267



30.3938, 0.4985, 0.3266



31.4964, 0.4177, 0.3892



10.0812, 0.3286, 0.3286



7.5482, 0.6374, 0.3285

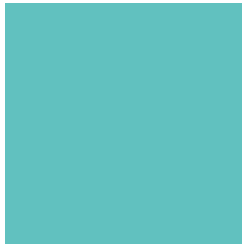


0.3273, 0.6278, 0.3232



# Previews

## White Background



This preview shows how the Yxy color 44.4429, 0.2494, 0.3318 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 44.4429, 0.2494, 0.3318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

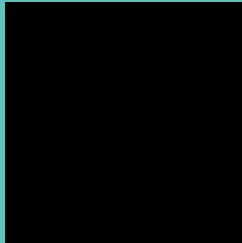
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

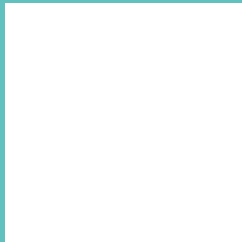
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.4429, 0.2494, 0.3318**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.4429, 0.2494, 0.3318.

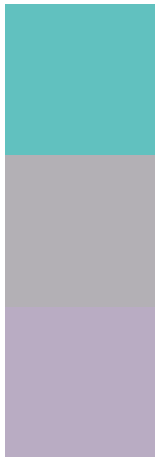


This preview shows how white text looks on a background with the Yxy color 44.4429, 0.2494, 0.3318.

# 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**

44.4429, 0.2494, 0.3318

**Protanopia**

43.9706, 0.3113, 0.3224

**Deuteranopia**

43.7595, 0.3054, 0.2995



## Tritanopia

44.5426, 0.2432, 0.3073

# Trichromacy



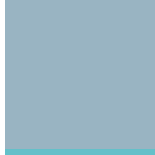
## Original Color

44.4429, 0.2494, 0.3318



## Protanomaly

43.3482, 0.2837, 0.3247



## Deuteranomaly

43.3099, 0.2803, 0.3097



## Tritanomaly

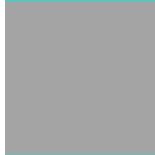
44.6256, 0.2452, 0.3158

# Monochromacy



## Original Color

44.4429, 0.2494, 0.3318



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.2914, 0.2841, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4429, 0.2494, 0.3318 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(97, 193, 191)` looks like.

```
.text, #text, p{  
    color:rgb(97, 193, 191)  
}
```

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(97, 193, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 193, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4429, 0.2494, 0.3318 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(97, 193, 191) }
```

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

```
.border{ border-color:rgb(97, 193, 191) }
```

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

Here you see how a box with a 4 pixel rgb(97, 193, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 193, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 193, 191);  
box-shadow:4px 4px 4px 4px rgb(97, 193,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4429, 0.2494, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 193, 191) }
```

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

```
.background{ background-color: rgb(97, 193,  
191) }
```

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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