

# Converting Colors

$Yxy(60.5571, 0.2421, 0.3465)$

Have a look what the booklet for  
Yxy(60.5571, 0.2421, 0.3465)  
contains.

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# Color

**Yxy(60.3532, 0.2422, 0.3463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51E1D4
RGB	81, 225, 212
RGB Percent	32%, 88%, 83%
CMY	0.6818, 0.1177, 0.1686
CMYK	0.64, 0.00, 0.06, 0.12
HSL	175°, 71%, 60%
HSV	175°, 64%, 88%
XYZ	42.2106, 60.3532, 71.7163
YIQ	180.4620, -81.6510, -34.5710

# Conversions

## Conversions Part 2

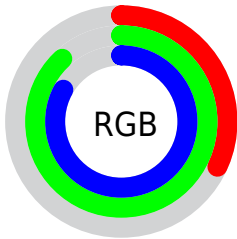
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 156, 225
Decimal	5366228
CIELab	82.03, -41.07, -5.00
CIElCh	82, 41.371, 186.937
Yxy	60.3532, 0.2422, 0.3463
Android (android.graphics.Color)	4283556308 (0xFF51E1D4)
YUV	180.4620, 15.5482, -87.2282
Hunter-Lab	77.6873, -38.9666, -0.3518

# Details

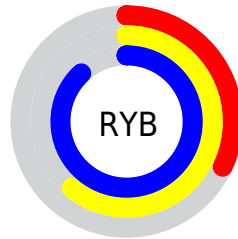
The Yxy color **60.3532, 0.2422, 0.3463** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.7207, 0.5014, 0.3162**, and the grayscale version is **45.8703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **30.8446, 0.2302, 0.3488** is the 20% darker color. If you saturate the color by 10%, you get **59.4172, 0.2372, 0.3494**, and if you desaturate by 10%, it is **61.6245, 0.2491, 0.3432**.

# Distribution



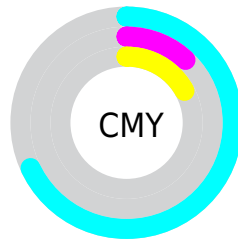
- Red (32%)
- Green (88%)
- Blue (83%)



- Red (32%)
- Yellow (61%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)




- Cyan (68%)
- Magenta (12%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3532, 0.2422, 0.3463 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 60.3532, 0.2422, 0.3463 by changing the saturation by 10% instead.





 60.3532, 0.2422,  
0.3463

 60.3532, 0.2422,  
0.3463


425.8984, 0.2754,  
0.3386


 43.7034, 0.2345,  
0.3479


 105.3419, 0.2538,  
0.3437


 30.4374, 0.2250,  
0.3499


 134.4495, 0.2583,  
0.3427

 20.1708, 0.2129,  
0.3523


 168.4785, 0.2621,  
0.3418

 12.5193, 0.1971,  
0.3552

 207.8133, 0.2655,  
0.3410

 7.0984, 0.1756,  
0.3587

252.8384, 0.2684,  
0.3403

 3.5237, 0.1451,  
0.3627

303.9379, 0.2710,

 1.4109, 0.0704,

0.3397

361.4965, 0.2733,  
0.3391

0.3775

0.2247, 0.0000,  
0.2745

0.0000, 0.0000,  
0.0000

60.3532, 0.2422,  
0.3463

60.3532, 0.2422,  
0.3463

59.4172, 0.2372,  
0.3494

61.6245, 0.2491,  
0.3432

58.7755, 0.2341,  
0.3525


63.2534, 0.2579,  
0.3403


58.3892, 0.2328,  
0.3556

65.2683, 0.2684,  
0.3374

58.2392, 0.2326,  
0.3574


67.6930, 0.2802,  
0.3347

 70.5491, 0.2932,  
0.3322

 73.8568, 0.3071,  
0.3299

 77.6352, 0.3215,  
0.3278

 80.7222, 0.3318,  
0.3258

 80.8358, 0.3304,  
0.3238

# Harmonies

## Analogous

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



60.3532, 0.2841, 0.3967



60.3532, 0.2422, 0.3463



60.3532, 0.2197, 0.2952

# Triad

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



60.3532, 0.2422, 0.3463



60.3532, 0.2828, 0.2507



60.3532, 0.4140, 0.3890

# Complementary

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



60.3532, 0.2422, 0.3463



22.7207, 0.5014, 0.3162

# 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.



60.3532, 0.4156, 0.3488



60.3532, 0.2422, 0.3463



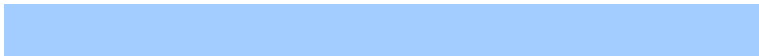
60.3532, 0.3360, 0.2729

# Square

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



60.3532, 0.2422, 0.3463



60.3532, 0.2416, 0.2454



60.3532, 0.3862, 0.3076



60.3532, 0.3838, 0.4185



# Rectangle

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



60.3532, 0.2422, 0.3463



60.3532, 0.2172, 0.2694



60.3532, 0.3862, 0.3076



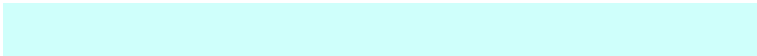
60.3532, 0.4180, 0.3762

# Sweetspot

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



60.3555, 0.2422, 0.3463



91.6622, 0.2864, 0.3335



56.9032, 0.3098, 0.5311



19.3916, 0.2827, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



60.3555, 0.2422, 0.3463



78.5698, 0.2359, 0.3505



34.9926, 0.2172, 0.2460



15.5499, 0.2994, 0.3311



33.5716, 0.2325, 0.3569



2.3333, 0.2312, 0.3522



# Inverse Universe

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



22.7207, 0.5014, 0.3162



24.8791, 0.5628, 0.3175



34.9736, 0.4685, 0.3927



13.7205, 0.3278, 0.3269



9.2613, 0.6295, 0.3241

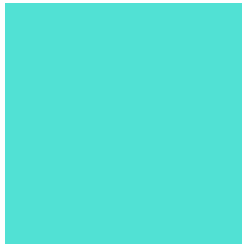


0.6490, 0.6028, 0.3094



# Previews

## White Background



This preview shows how the Yxy color 60.3532, 0.2422, 0.3463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

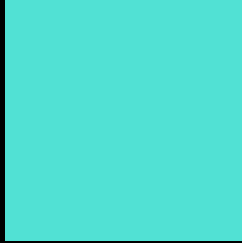
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.3532, 0.2422, 0.3463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

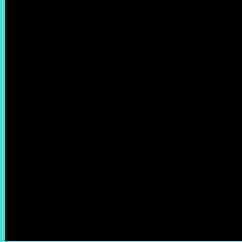
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

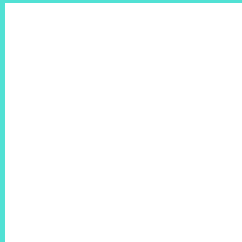
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.3532, 0.2422, 0.3463**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.3532, 0.2422, 0.3463.

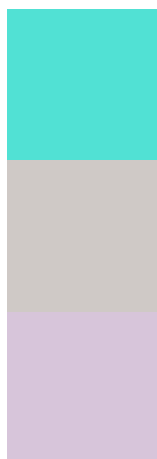


This preview shows how white text looks on a background with the Yxy color 60.3532, 0.2422, 0.3463.

# 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

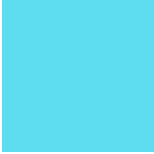
60.3532, 0.2422, 0.3463

### Protanopia

59.1159, 0.3196, 0.3325

### Deuteranopia

59.4415, 0.3115, 0.3053



## **Tritanopia**

60.2721, 0.2331, 0.3058

# Trichromacy



## Original Color

60.3532, 0.2422, 0.3463



## Protanomaly

57.9821, 0.2827, 0.3378



## Deuteranomaly

57.6905, 0.2778, 0.3177



## Tritanomaly

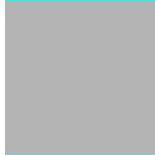
60.0235, 0.2364, 0.3196

# Monochromacy



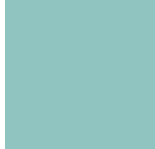
## Original Color

60.3532, 0.2422, 0.3463



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

49.2149, 0.2769, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.3532, 0.2422, 0.3463 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(81, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(81, 225, 212)  
}
```

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(81, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 225, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 60.3532, 0.2422, 0.3463 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(81, 225, 212) }
```

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

```
.border{ border-color:rgb(81, 225, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(81, 225,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.3532, 0.2422, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 225, 212) }
```

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

```
.background{ background-color: rgb(81, 225,  
212) }
```

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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