

# Converting Colors

Yxy(56.5649, 0.2505, 0.3213)

Have a look what the booklet for  
Yxy(56.5649, 0.2505, 0.3213)  
contains.

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# Color

**Yxy(56.6249, 0.2505, 0.3209)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77D5DB
RGB	119, 213, 219
RGB Percent	47%, 84%, 86%
CMY	0.5328, 0.1648, 0.1411
CMYK	0.46, 0.03, 0.00, 0.14
HSL	184°, 58%, 66%
HSV	184°, 46%, 86%
XYZ	44.2024, 56.6249, 75.6293
YIQ	185.5780, -57.9500, -18.0620

# Conversions

## Conversions Part 2

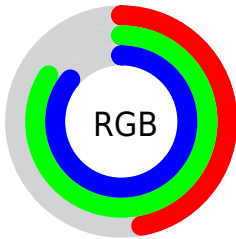
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 167, 219
Decimal	7853531
CIELab	79.97, -26.27, -11.66
CIElCh	80, 28.745, 203.931
Yxy	56.6249, 0.2505, 0.3209
Android (android.graphics.Color)	4286043611 (0xFF77D5DB)
YUV	185.5780, 16.4770, -58.3889
Hunter-Lab	75.2495, -26.8339, -6.9145

# Details

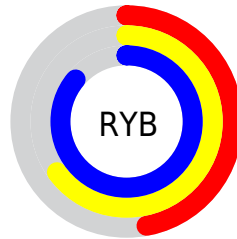
The Yxy color **56.6249, 0.2505, 0.3209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.1056, 0.4319, 0.3366**, and the grayscale version is **48.8027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **28.0639, 0.2349, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **54.5872, 0.2407, 0.3189**, and if you desaturate by 10%, it is **59.0296, 0.2620, 0.3229**.

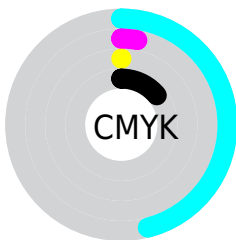
# Distribution



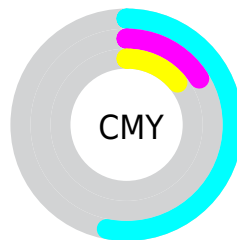
- Red (47%)
- Green (84%)
- Blue (86%)



- Red (47%)
- Yellow (65%)
- Blue (86%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (14%)




- Cyan (53%)
- Magenta (16%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.6249, 0.2505, 0.3209 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 56.6249, 0.2505, 0.3209 by changing the saturation by 10% instead.





 56.6249, 0.2505,  
0.3209

 56.6249, 0.2505,  
0.3209


412.0423, 0.2800,  
0.3255


 40.7042, 0.2436,  
0.3196


 99.9177, 0.2608,  
0.3227

 28.0880, 0.2351,  
0.3179


 128.0585, 0.2648,  
0.3233

 18.3920, 0.2242,  
0.3155


 161.0414, 0.2682,  
0.3239

 11.2318, 0.2098,  
0.3119

199.2509, 0.2712,  
0.3243

 6.2230, 0.1900,  
0.3064

243.0714, 0.2738,  
0.3247

 2.9811, 0.1616,  
0.2967

292.8872, 0.2761,

 1.1219, 0.1025,

0.3250

0.2822

349.0826, 0.2781,  
0.3253

0.0000, 0.0000,  
0.0000

56.6249, 0.2505,  
0.3209

56.6249, 0.2505,  
0.3209

54.5872, 0.2407,  
0.3189

59.0296, 0.2620,  
0.3229

52.8851, 0.2327,  
0.3168

61.8171, 0.2750,  
0.3247

51.4926, 0.2267,  
0.3148

65.0104, 0.2891,  
0.3265


50.3772, 0.2225,  
0.3127


68.6286, 0.3040,  
0.3281

49.4987, 0.2201,  
0.3107


72.6896, 0.3196,  
0.3296

 49.1568, 0.2194,  
0.3098

 77.2104, 0.3354,  
0.3310

 78.7480, 0.3385,  
0.3323

 79.4545, 0.3383,  
0.3336

 80.1666, 0.3381,  
0.3350

# Harmonies

## Analogous

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



56.6249, 0.2742, 0.3576



56.6249, 0.2505, 0.3209



56.6249, 0.2428, 0.2896

# Triad

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



56.6249, 0.2505, 0.3209



56.6249, 0.3130, 0.2795



56.6249, 0.3754, 0.3864

# Complementary

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



56.6249, 0.2505, 0.3209



31.1056, 0.4319, 0.3366

# 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.



56.6249, 0.3879, 0.3619



56.6249, 0.2505, 0.3209



56.6249, 0.3507, 0.3020

# Square

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



56.6249, 0.2505, 0.3209



56.6249, 0.2772, 0.2683



56.6249, 0.3789, 0.3314



56.6249, 0.3461, 0.3967



# Rectangle

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



56.6249, 0.2505, 0.3209



56.6249, 0.2472, 0.2757



56.6249, 0.3789, 0.3314



56.6249, 0.3818, 0.3794

# Sweetspot

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



56.6271, 0.2505, 0.3209



92.4786, 0.2912, 0.3268



56.0616, 0.3034, 0.4646



19.5694, 0.2881, 0.3264



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.



56.6271, 0.2505, 0.3209



77.0817, 0.2408, 0.3189



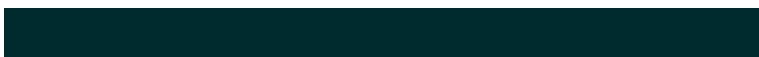
35.6250, 0.2383, 0.2518



14.6878, 0.2982, 0.3275



29.2010, 0.2195, 0.3101



1.9335, 0.2204, 0.3134



# Inverse Universe

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



33.0900, 0.3238, 0.2240



40.1509, 0.3265, 0.2046



46.6957, 0.4029, 0.3944



13.2606, 0.3147, 0.3073



11.5716, 0.3366, 0.1628

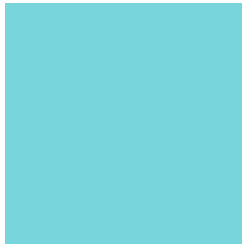


0.7539, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 56.6249, 0.2505, 0.3209 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

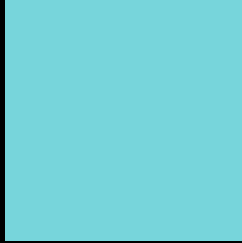
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.6249, 0.2505, 0.3209 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

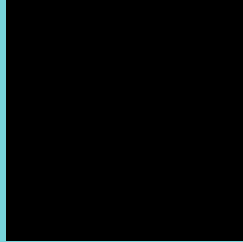
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.6249, 0.2505, 0.3209**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.6249, 0.2505, 0.3209.

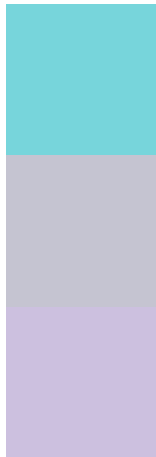


This preview shows how white text looks on a background with the Yxy color 56.6249, 0.2505, 0.3209.

# 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

56.6249, 0.2505, 0.3209

### Protanopia

55.9536, 0.3041, 0.3135

### Deuteranopia

55.8644, 0.2995, 0.2932



## Tritanopia

56.3832, 0.2465, 0.3057

# Trichromacy



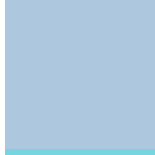
## Original Color

56.6249, 0.2505, 0.3209



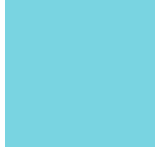
## Protanomaly

55.4802, 0.2812, 0.3152



## Deuteranomaly

55.4667, 0.2781, 0.3020



## Tritanomaly

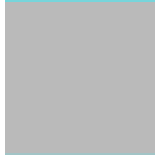
56.5882, 0.2482, 0.3120

# Monochromacy



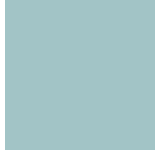
## Original Color

56.6249, 0.2505, 0.3209



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.2385, 0.2855, 0.3263

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.6249, 0.2505, 0.3209 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(119, 213, 219)` looks like.

```
.text, #text, p{  
    color:rgb(119, 213, 219)  
}
```

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(119, 213, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 213, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 56.6249, 0.2505, 0.3209 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(119, 213, 219) }
```

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

```
.border{ border-color:rgb(119, 213, 219) }
```

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

Here you see how a box with a 4 pixel rgb(119, 213, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 213, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 213, 219);  
box-shadow:4px 4px 4px 4px rgb(119, 213,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.6249, 0.2505, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 213, 219) }
```

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

```
.background{ background-color: rgb(119,  
213, 219) }
```

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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