

# Converting Colors

Yxy(56.8555, 0.2494, 0.3171)

Have a look what the booklet for  
Yxy(56.8555, 0.2494, 0.3171)  
contains.

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# Color

**Yxy(56.8555, 0.2494, 0.3171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D5DE
RGB	120, 213, 222
RGB Percent	47%, 84%, 87%
CMY	0.5297, 0.1646, 0.1294
CMYK	0.46, 0.04, 0.00, 0.13
HSL	185°, 61%, 67%
HSV	185°, 46%, 87%
XYZ	44.7170, 56.8555, 77.7258
YIQ	186.2190, -58.3170, -16.9170

# Conversions

## Conversions Part 2

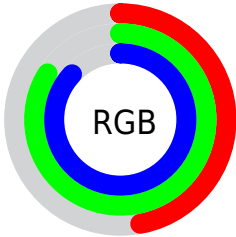
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	120, 169, 222
Decimal	7919070
CIE Lab	80.10, -25.34, -13.06
CIE LCh	80, 28.504, 207.264
Yxy	56.8555, 0.2494, 0.3171
Android (android.graphics.Color)	4286109150 (0xFF78D5DE)
YUV	186.2190, 17.6400, -58.0741
Hunter-Lab	75.4026, -26.0963, -8.3350

# Details

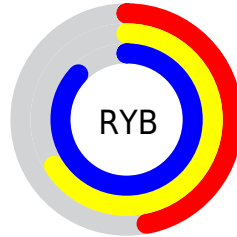
The Yxy color **56.8555, 0.2494, 0.3171** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5627, 0.4318, 0.3400**, and the grayscale version is **49.1474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **28.2044, 0.2336, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **54.4737, 0.2393, 0.3141**, and if you desaturate by 10%, it is **59.6214, 0.2611, 0.3200**.

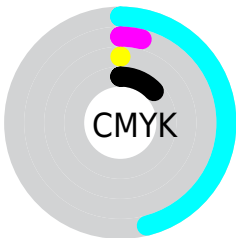
# Distribution



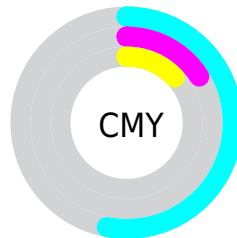
- Red (47%)
- Green (84%)
- Blue (87%)



- Red (47%)
- Yellow (66%)
- Blue (87%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)




- Cyan (53%)
- Magenta (16%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8555, 0.2494, 0.3171 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 56.8555, 0.2494, 0.3171 by changing the saturation by 10% instead.




 56.8555, 0.2494,  
0.3171

 56.8555, 0.2494,  
0.3171


412.9076, 0.2793,  
0.3236

 40.8892, 0.2424,  
0.3154


 100.2543, 0.2599,  
0.3196

 28.2325, 0.2338,  
0.3131


 128.4557, 0.2639,  
0.3204

 18.5010, 0.2228,  
0.3099


 161.5041, 0.2674,  
0.3212

 11.3103, 0.2083,  
0.3054

199.7842, 0.2704,  
0.3218

 6.2759, 0.1885,  
0.2985

243.6801, 0.2731,  
0.3224

 3.0136, 0.1600,  
0.2869

293.5764, 0.2754,

 1.1388, 0.1046,

0.3228

0.2682

349.8575, 0.2775,  
0.3232

0.0109, 0.0000,  
0.0116

0.0000, 0.0000,  
0.0000

56.8555, 0.2494,  
0.3171

56.8555, 0.2494,  
0.3171

54.4737, 0.2393,  
0.3141

59.6214, 0.2611,  
0.3200

52.4435, 0.2311,  
0.3111


62.7882, 0.2742,  
0.3227


50.7380, 0.2248,  
0.3080

66.3795, 0.2885,  
0.3253

49.3232, 0.2203,  
0.3050

70.4152, 0.3035,  
0.3277


 48.1569, 0.2177,  
0.3020

 74.9139, 0.3190,  
0.3299

 47.7284, 0.2169,  
0.3008

 79.8931, 0.3347,  
0.3318

 81.3078, 0.3358,  
0.3338

 82.3814, 0.3356,  
0.3357

 83.4672, 0.3353,  
0.3376

# Harmonies

## Analogous

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



56.8555, 0.2713, 0.3534



56.8555, 0.2494, 0.3171



56.8555, 0.2436, 0.2872

# Triad

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



56.8555, 0.2494, 0.3171



56.8555, 0.3172, 0.2819



56.8555, 0.3723, 0.3879

# Complementary

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



56.8555, 0.2494, 0.3171



32.5627, 0.4318, 0.3400

# 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.



56.8555, 0.3868, 0.3647



56.8555, 0.2494, 0.3171



56.8555, 0.3542, 0.3052

# Square

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



56.8555, 0.2494, 0.3171



56.8555, 0.2811, 0.2694



56.8555, 0.3802, 0.3348



56.8555, 0.3419, 0.3960



# Rectangle

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



56.8555, 0.2494, 0.3171



56.8555, 0.2493, 0.2746



56.8555, 0.3802, 0.3348



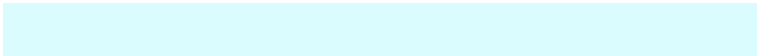
56.8555, 0.3793, 0.3814

# Sweetspot

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



56.8577, 0.2494, 0.3171



91.8572, 0.2912, 0.3258



57.8020, 0.3015, 0.4612



19.4162, 0.2880, 0.3252



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.



56.8577, 0.2494, 0.3171



74.7396, 0.2398, 0.3143



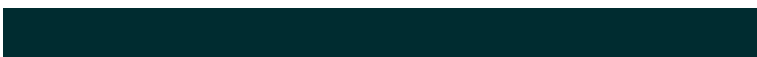
35.2645, 0.2367, 0.2461



15.3551, 0.2982, 0.3269



28.4326, 0.2170, 0.3013



2.0322, 0.2183, 0.3059



# Inverse Universe

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



33.7503, 0.3267, 0.2258



39.9144, 0.3301, 0.2076



49.3139, 0.4020, 0.3987



13.9137, 0.3151, 0.3079



11.7783, 0.3443, 0.1670

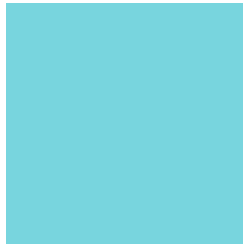


0.8226, 0.3403, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 56.8555, 0.2494, 0.3171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

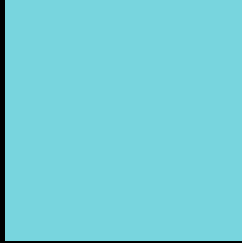
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.8555, 0.2494, 0.3171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

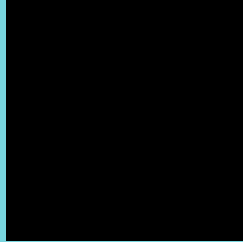
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.8555, 0.2494, 0.3171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8555, 0.2494, 0.3171.

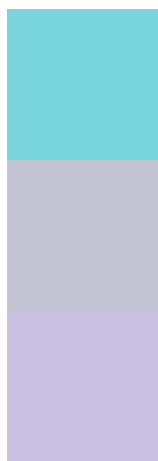


This preview shows how white text looks on a background with the Yxy color 56.8555, 0.2494, 0.3171.

# 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

56.8555, 0.2494, 0.3171

### Protanopia

56.1036, 0.3019, 0.3100

### Deuteranopia

56.3274, 0.2967, 0.2910



## Tritanopia

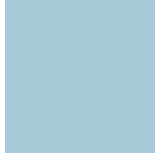
56.8817, 0.2467, 0.3070

# Trichromacy



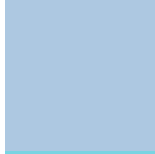
## Original Color

56.8555, 0.2494, 0.3171



## Protanomaly

55.6339, 0.2793, 0.3115



## Deuteranomaly

55.6290, 0.2762, 0.2985



## Tritanomaly

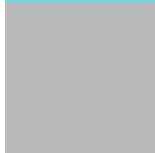
56.6429, 0.2477, 0.3107

# Monochromacy



## Original Color

56.8555, 0.2494, 0.3171



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.2848, 0.2849, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8555, 0.2494, 0.3171 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(120, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(120, 213, 222)  
}
```

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(120, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 213, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8555, 0.2494, 0.3171 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(120, 213, 222) }
```

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

```
.border{ border-color:rgb(120, 213, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 213, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 213, 222); box-shadow:4px 4px 4px 4px rgb(120, 213, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8555, 0.2494, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 213, 222) }
```

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

```
.background{ background-color: rgb(120,  
213, 222) }
```

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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