

Converting Colors

$Yxy(56.6304, 0.2482, 0.3169)$

Have a look what the booklet for
Yxy(56.6304, 0.2482, 0.3169)
contains.

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Color

Yxy(56.6443, 0.2480, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	75D5DE
RGB	117, 213, 222
RGB Percent	46%, 84%, 87%
CMY	0.5413, 0.1647, 0.1293
CMYK	0.47, 0.04, 0.00, 0.13
HSL	185°, 61%, 66%
HSV	185°, 47%, 87%
XYZ	44.3148, 56.6443, 77.7296
YIQ	185.3220, -60.1050, -17.5530

Conversions

Conversions Part 2

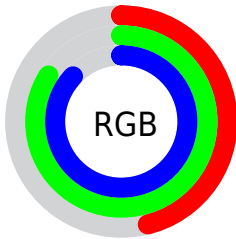
Format	Color
R _{YB}	117, 167, 222
Decimal	7722462
CIE _{Lab}	79.98, -25.99, -13.27
CIE _{LCh}	80, 29.183, 207.038
Y _{xy}	56.6443, 0.2480, 0.3170
Android (android.graphics.Color)	4285912542 (0xFF75D5DE)
YUV	185.3220, 18.0823, -59.9184
Hunter-Lab	75.2624, -26.6078, -8.5499

Details

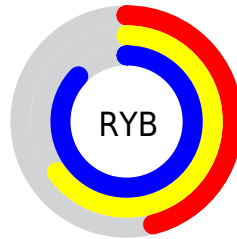
The Yxy color **56.6443, 0.2480, 0.3170** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.7391, 0.4372, 0.3400**, and the grayscale version is **48.6240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **28.0845, 0.2320, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **54.3327, 0.2382, 0.3141**, and if you desaturate by 10%, it is **59.3362, 0.2595, 0.3198**.

Distribution



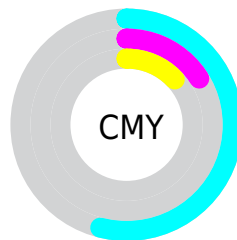
- Red (46%)
- Green (84%)
- Blue (87%)



- Red (46%)
- Yellow (65%)
- Blue (87%)



- Cyan (47%)
- Magenta (4%)
- Yellow (0%)
- Black (13%)





- Cyan (54%)
- Magenta (16%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6443, 0.2480, 0.3170 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 56.6443, 0.2480, 0.3170 by changing the saturation by 10% instead.


 56.6443, 0.2480,
0.3170


 56.6443, 0.2480,
0.3170


412.1151, 0.2786,
0.3236


 40.7197, 0.2409,
0.3152


 99.9460, 0.2587,
0.3195

 28.1002, 0.2321,
0.3129


 128.0919, 0.2629,
0.3204

 18.4012, 0.2208,
0.3097


 161.0804, 0.2664,
0.3211

 11.2384, 0.2060,
0.3051

199.2958, 0.2695,
0.3218

 6.2274, 0.1858,
0.2980

243.1226, 0.2722,
0.3223

 2.9839, 0.1568,
0.2861

292.9452, 0.2746,

 1.1233, 0.0989,

0.3228

0.2673

349.1479, 0.2767,
0.3232

0.0000, 0.0000,
0.0000

56.6443, 0.2480,
0.3170

56.6443, 0.2480,
0.3170

54.3327, 0.2382,
0.3141

59.3362, 0.2595,
0.3198

52.3686, 0.2302,
0.3111

62.4256, 0.2724,
0.3225

50.7246, 0.2242,
0.3082

65.9363, 0.2865,
0.3251

49.3657, 0.2201,
0.3052

69.8883, 0.3014,
0.3274

48.2454, 0.2176,
0.3023

74.3006, 0.3169,
0.3296

■ 47.9654, 0.2171,
0.3015

■ 79.1907, 0.3326,
0.3315

■ 81.1268, 0.3359,
0.3334

■ 82.1727, 0.3356,
0.3353

■ 83.2302, 0.3353,
0.3372

Harmonies

Analogous

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



56.6443, 0.2705, 0.3543



56.6443, 0.2480, 0.3170



56.6443, 0.2420, 0.2863

Triad

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



56.6443, 0.2480, 0.3170



56.6443, 0.3170, 0.2807



56.6443, 0.3739, 0.3891

Complementary

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



56.6443, 0.2480, 0.3170



31.7391, 0.4372, 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.



56.6443, 0.3887, 0.3653



56.6443, 0.2480, 0.3170



56.6443, 0.3549, 0.3044

Square

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



56.6443, 0.2480, 0.3170



56.6443, 0.2800, 0.2680



56.6443, 0.3818, 0.3346



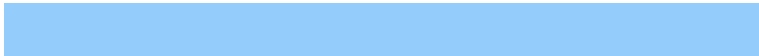
56.6443, 0.3428, 0.3978

Rectangle

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



56.6443, 0.2480, 0.3170



56.6443, 0.2477, 0.2734



56.6443, 0.3818, 0.3346



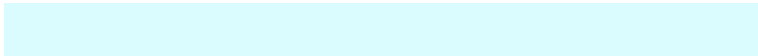
56.6443, 0.3810, 0.3825

Sweetspot

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



56.6465, 0.2480, 0.3170



91.9045, 0.2912, 0.3258



57.5403, 0.3012, 0.4658



19.4279, 0.2880, 0.3253



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.



56.6465, 0.2480, 0.3170



74.3193, 0.2381, 0.3141



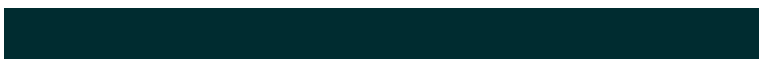
34.4555, 0.2344, 0.2431



15.3602, 0.2982, 0.3269



28.5621, 0.2172, 0.3020



2.0399, 0.2185, 0.3065

Inverse Universe

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



33.0537, 0.3270, 0.2228



38.7778, 0.3305, 0.2038



48.7616, 0.4052, 0.4006



13.9143, 0.3151, 0.3079



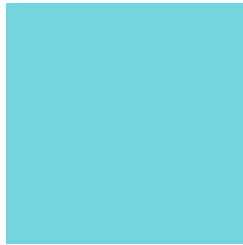
11.7914, 0.3437, 0.1667



0.8234, 0.3398, 0.1645

Previews

White Background



This preview shows how the Yxy color 56.6443, 0.2480, 0.3170 looks on a white background.

Color Contrast Check

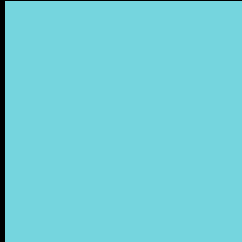
Large Text (above 18pt) WCAG AA × Fail

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 56.6443, 0.2480, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

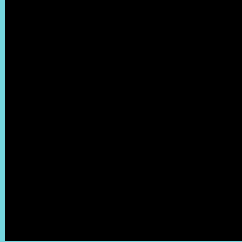
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.6443, 0.2480, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 56.6443, 0.2480, 0.3170.

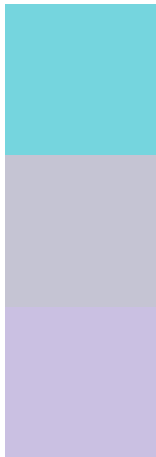


This preview shows how white text looks on a background with the Yxy color 56.6443, 0.2480, 0.3170.

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

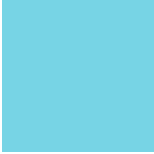
56.6443, 0.2480, 0.3170

Protanopia

56.0533, 0.3027, 0.3111

Deuteranopia

55.7468, 0.2959, 0.2898



Tritanopia

56.6660, 0.2453, 0.3069

Trichromacy



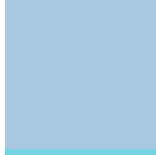
Original Color

56.6443, 0.2480, 0.3170



Protanomaly

55.4722, 0.2792, 0.3127



Deuteranomaly

55.4027, 0.2749, 0.2984



Tritanomaly

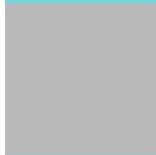
56.4295, 0.2463, 0.3106

Monochromacy



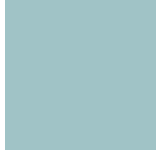
Original Color

56.6443, 0.2480, 0.3170



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.5810, 0.2840, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6443, 0.2480, 0.3170 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(117, 213, 222)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 213, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 213, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.6443, 0.2480, 0.3170 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(117, 213, 222) }
```

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

```
.border{ border-color:rgb(117, 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(117, 213, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 213, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 213, 222); box-shadow:4px 4px 4px 4px rgb(117, 213, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6443, 0.2480, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 213, 222) }
```

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

```
.background{ background-color: rgb(117,  
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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