

Converting Colors

$Yxy(56.2503, 0.2324, 0.3082)$

Have a look what the booklet for
Yxy(56.2503, 0.2324, 0.3082)
contains.

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Color

Yxy(56.2453, 0.2325, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	55D7E6
RGB	85, 215, 230
RGB Percent	33%, 84%, 90%
CMY	0.6665, 0.1569, 0.0980
CMYK	0.63, 0.07, 0.00, 0.10
HSL	186°, 74%, 62%
HSV	186°, 63%, 90%
XYZ	42.3342, 56.2453, 83.5031
YIQ	177.8400, -82.2950, -22.8950

Conversions

Conversions Part 2

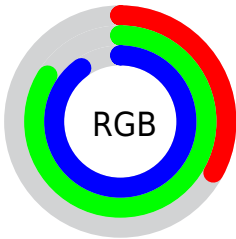
Format	Color
R_{YB}	85, 154, 230
Decimal	5625830
CIE _{Lab}	79.75, -30.88, -17.98
CIE _{LCh}	80, 35.734, 210.201
Yxy	56.2453, 0.2325, 0.3089
Android (android.graphics.Color)	4283815910 (0xFF55D7E6)
YUV	177.8400, 25.7149, -81.4207
Hunter-Lab	74.9969, -30.4849, -13.5169

Details

The Yxy color **56.2453, 0.2325, 0.3089** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.6100, 0.5035, 0.3449**, and the grayscale version is **44.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **28.1976, 0.2177, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **54.1344, 0.2254, 0.3053**, and if you desaturate by 10%, it is **58.7279, 0.2415, 0.3125**.

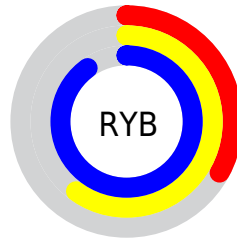
Distribution



Red (33%)

Green (84%)

Blue (90%)



Red (33%)

Yellow (60%)

Blue (90%)

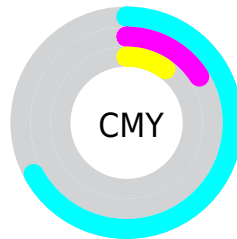


Cyan (63%)

Magenta (7%)

Yellow (0%)

Black (10%)



Cyan (67%)


Magenta (16%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2453, 0.2325, 0.3089 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 56.2453, 0.2325, 0.3089 by changing the saturation by 10% instead.

 56.2453, 0.2325,
0.3089

 56.2453, 0.2325,
0.3089


410.6153, 0.2701,
0.3198


 40.3996, 0.2239,
0.3060


 99.3631, 0.2456,
0.3130

 27.8503, 0.2132,
0.3022


 127.4041, 0.2507,
0.3145

 18.2128, 0.1998,
0.2971


 160.2789, 0.2550,
0.3157

 11.1029, 0.1823,
0.2898

 198.3721, 0.2588,
0.3168

 6.1361, 0.1590,
0.2789

242.0679, 0.2622,
0.3177

 2.9280, 0.1268,
0.2610

291.7507, 0.2651,

 1.0943, 0.0583,

0.3185

0.2343

347.8051, 0.2677,
0.3192

0.0000, 0.0000,
0.0000

56.2453, 0.2325,
0.3089

56.2453, 0.2325,
0.3089

54.1344, 0.2254,
0.3053

58.7279, 0.2415,
0.3125

52.3536, 0.2203,
0.3017

61.6065, 0.2523,
0.3160

50.8620, 0.2170,
0.2981

64.9107, 0.2646,
0.3193

49.9463, 0.2155,
0.2956

68.6653, 0.2782,
0.3225

72.8932, 0.2928,
0.3255

■ 77.6157, 0.3080,
0.3282

■ 82.8526, 0.3236,
0.3307

■ 85.8582, 0.3296,
0.3330

■ 87.2251, 0.3293,
0.3354

Harmonies

Analogous

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



56.2453, 0.2573, 0.3552



56.2453, 0.2325, 0.3089



56.2453, 0.2277, 0.2734

Triad

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



56.2453, 0.2325, 0.3089



56.2453, 0.3227, 0.2732



56.2453, 0.3839, 0.4043

Complementary

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



56.2453, 0.2325, 0.3089



26.6100, 0.5035, 0.3449

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.



56.2453, 0.4052, 0.3757



56.2453, 0.2325, 0.3089



56.2453, 0.3689, 0.3025

Square

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



56.2453, 0.2325, 0.3089



56.2453, 0.2769, 0.2563



56.2453, 0.4000, 0.3389



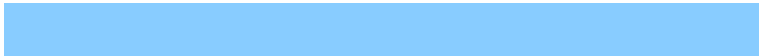
56.2453, 0.3441, 0.4138

Rectangle

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



56.2453, 0.2325, 0.3089



56.2453, 0.2359, 0.2595



56.2453, 0.4000, 0.3389



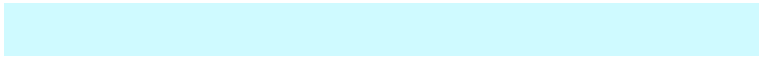
56.2453, 0.3936, 0.3963

Sweetspot

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



56.2474, 0.2325, 0.3089



88.7790, 0.2838, 0.3237



59.4502, 0.2975, 0.5152



18.6830, 0.2797, 0.3228



0.0000, 0.0000, 0.0000



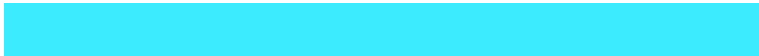
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2474, 0.2325, 0.3089



67.5876, 0.2234, 0.3040



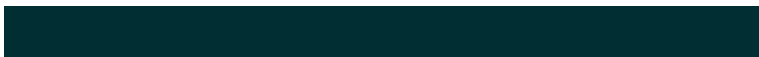
27.3026, 0.2082, 0.2040



16.0677, 0.2982, 0.3265



28.3770, 0.2156, 0.2962



2.1708, 0.2171, 0.3014

Inverse Universe

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



28.2363, 0.3354, 0.1966



30.6122, 0.3408, 0.1802



46.9994, 0.4413, 0.4229



14.5881, 0.3154, 0.3082



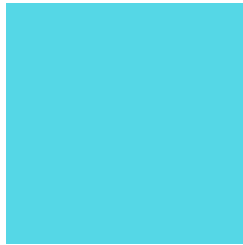
12.0624, 0.3488, 0.1695



0.8988, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 56.2453, 0.2325, 0.3089 looks on a white background.

Color Contrast Check

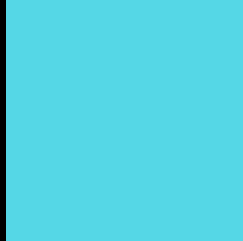
Large Text (above 18pt) WCAG AA × Fail

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 56.2453, 0.2325, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

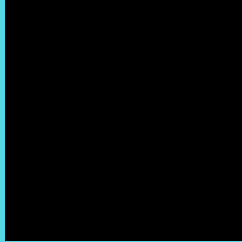
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2453, 0.2325, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 56.2453, 0.2325, 0.3089.



This preview shows how white text looks on a background with the Yxy color 56.2453, 0.2325, 0.3089.

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

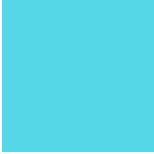
56.2453, 0.2325, 0.3089

Protanopia

55.5093, 0.2962, 0.3028

Deuteranopia

55.4332, 0.2854, 0.2795



Tritanopia

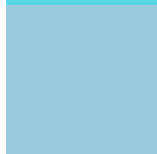
56.4055, 0.2320, 0.3064

Trichromacy



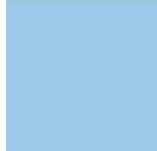
Original Color

56.2453, 0.2325, 0.3089



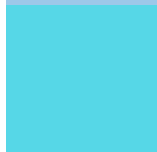
Protanomaly

54.3850, 0.2659, 0.3036



Deuteranomaly

54.2597, 0.2606, 0.2881



Tritanomaly

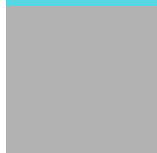
56.3488, 0.2324, 0.3077

Monochromacy



Original Color

56.2453, 0.2325, 0.3089



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.2221, 0.2731, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2453, 0.2325, 0.3089 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(85, 215, 230)` looks like.

```
.text, #text, p{  
    color:rgb(85, 215, 230)  
}
```

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(85, 215, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 215, 230) }
```

Border

The CSS property to change the border of an element to Yxy 56.2453, 0.2325, 0.3089 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(85, 215, 230) }
```

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

```
.border{ border-color:rgb(85, 215, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 215, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 215, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 215, 230);  
box-shadow:4px 4px 4px 4px rgb(85, 215,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2453, 0.2325, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 215, 230) }
```

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

```
.background{ background-color: rgb(85, 215,  
230) }
```

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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