

Converting Colors

$Yxy(56.9503, 0.2639, 0.3381)$

Have a look what the booklet for
Yxy(56.9503, 0.2639, 0.3381)
contains.

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Color

Yxy(56.9503, 0.2639, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	84D5CE
RGB	132, 213, 206
RGB Percent	52%, 84%, 81%
CMY	0.4823, 0.1647, 0.1922
CMYK	0.38, 0.00, 0.03, 0.16
HSL	175°, 49%, 68%
HSV	175°, 38%, 84%
XYZ	44.4519, 56.9503, 67.0400
YIQ	187.9830, -46.0290, -19.3490

Conversions

Conversions Part 2

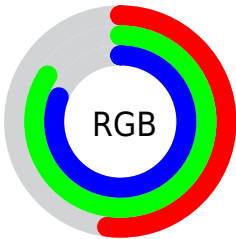
Format	Color
RYB	132, 174, 213
Decimal	8705486
CIELab	80.15, -26.34, -4.37
CIELCh	80, 26.697, 189.415
Yxy	56.9503, 0.2639, 0.3381
Android (android.graphics.Color)	4286895566 (0xFF84D5CE)
YUV	187.9830, 8.8824, -49.0971
Hunter-Lab	75.4654, -26.9215, 0.1553

Details

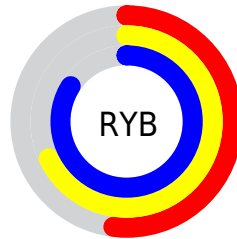
The Yxy color **56.9503, 0.2639, 0.3381** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.5184, 0.3978, 0.3205**, and the grayscale version is **50.2505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **28.2985, 0.2515, 0.3396** is the 20% darker color. If you saturate the color by 10%, you get **55.3178, 0.2541, 0.3409**, and if you desaturate by 10%, it is **58.9389, 0.2752, 0.3355**.

Distribution



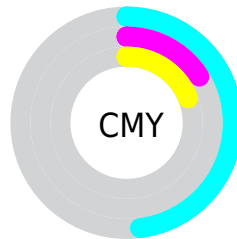
- Red (52%)
- Green (84%)
- Blue (81%)



- Red (52%)
- Yellow (68%)
- Blue (84%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)





- Cyan (48%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9503, 0.2639, 0.3381 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 56.9503, 0.2639, 0.3381 by changing the saturation by 10% instead.


 56.9503, 0.2639,
0.3381

 56.9503, 0.2639,
0.3381


413.2631, 0.2872,
0.3340

 40.9653, 0.2584,
0.3390


 100.3927, 0.2721,
0.3367

 28.2920, 0.2515,
0.3401


 128.6189, 0.2753,
0.3362

 18.5459, 0.2426,
0.3414


 161.6943, 0.2780,
0.3357

 11.3426, 0.2307,
0.3430

200.0032, 0.2804,
0.3353

 6.2978, 0.2141,
0.3450

243.9302, 0.2824,
0.3349

 3.0270, 0.1894,
0.3473

293.8596, 0.2842,

 1.1458, 0.1322,

0.3346

350.1757, 0.2858,
0.3343

0.3561

0.0168, 0.0000,
0.0493

0.0000, 0.0000,
0.0000

56.9503, 0.2639,
0.3381

56.9503, 0.2639,
0.3381

55.3178, 0.2541,
0.3409

58.9389, 0.2752,
0.3355

54.0132, 0.2460,
0.3438


61.2966, 0.2878,
0.3330


53.0149, 0.2398,
0.3467


64.0438, 0.3014,
0.3307

52.2958, 0.2355,
0.3497


67.1974, 0.3156,
0.3286

 51.8243, 0.2331,
0.3526

 70.7735, 0.3302,
0.3267

 51.5543, 0.2323,
0.3555

 73.8619, 0.3413,
0.3250

 51.5107, 0.2323,
0.3561

 73.9583, 0.3399,
0.3231

 74.0558, 0.3386,
0.3213

 74.1544, 0.3373,
0.3194

Harmonies

Analogous

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



56.9503, 0.2918, 0.3700



56.9503, 0.2639, 0.3381



56.9503, 0.2491, 0.3055

Triad

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



56.9503, 0.2639, 0.3381



56.9503, 0.2961, 0.2763



56.9503, 0.3788, 0.3727

Complementary

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



56.9503, 0.2639, 0.3381



32.5184, 0.3978, 0.3205

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.



56.9503, 0.3808, 0.3463



56.9503, 0.2639, 0.3381



56.9503, 0.3315, 0.2926

Square

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



56.9503, 0.2639, 0.3381



56.9503, 0.2669, 0.2721



56.9503, 0.3632, 0.3176



56.9503, 0.3584, 0.3893

Rectangle

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



56.9503, 0.2639, 0.3381



56.9503, 0.2480, 0.2884



56.9503, 0.3632, 0.3176



56.9503, 0.3817, 0.3646

Sweetspot

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



56.9526, 0.2639, 0.3381



94.9075, 0.2971, 0.3314



54.8414, 0.3128, 0.4422



20.1909, 0.2952, 0.3317



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.



56.9526, 0.2639, 0.3381



83.4815, 0.2555, 0.3404



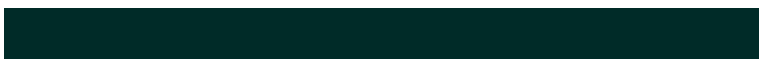
42.5998, 0.2536, 0.2845



14.0885, 0.2994, 0.3310



31.4720, 0.2321, 0.3557



1.9038, 0.2307, 0.3506

Inverse Universe

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



32.5184, 0.3978, 0.3205



41.4842, 0.4274, 0.3188



42.5112, 0.3905, 0.3692



12.4381, 0.3278, 0.3270



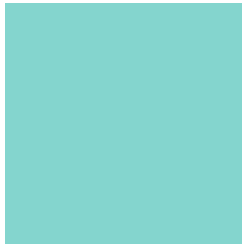
8.6749, 0.6297, 0.3243



0.5294, 0.6010, 0.3084

Previews

White Background



This preview shows how the Yxy color 56.9503, 0.2639, 0.3381 looks on a white background.

Color Contrast Check

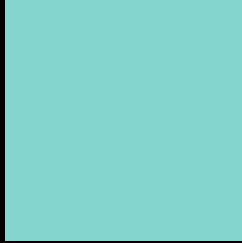
Large Text (above 18pt) WCAG AA × Fail

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 56.9503, 0.2639, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

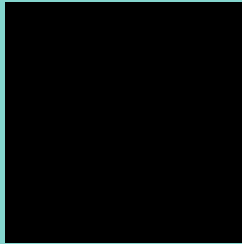
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

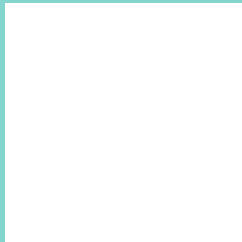
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9503, 0.2639, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 56.9503, 0.2639, 0.3381.

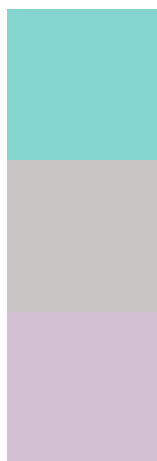


This preview shows how white text looks on a background with the Yxy color 56.9503, 0.2639, 0.3381.

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

56.9503, 0.2639, 0.3381

Protanopia

56.3812, 0.3159, 0.3290

Deuteranopia

56.2013, 0.3145, 0.3082



Tritanopia

56.9576, 0.2548, 0.3073

Trichromacy



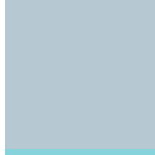
Original Color

56.9503, 0.2639, 0.3381



Protanomaly

56.1121, 0.2946, 0.3327



Deuteranomaly

55.8571, 0.2928, 0.3179



Tritanomaly

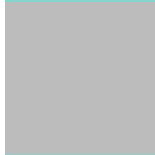
56.8539, 0.2581, 0.3185

Monochromacy



Original Color

56.9503, 0.2639, 0.3381



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.1975, 0.2919, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9503, 0.2639, 0.3381 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(132, 213, 206)` looks like.

```
.text, #text, p{  
    color:rgb(132, 213, 206)  
}
```

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(132, 213, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 213, 206) }
```

Border

The CSS property to change the border of an element to Yxy 56.9503, 0.2639, 0.3381 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(132, 213, 206) }
```

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

```
.border{ border-color:rgb(132, 213, 206) }
```

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

Here you see how a box with a 4 pixel rgb(132, 213, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 213, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 213, 206);  
box-shadow:4px 4px 4px 4px rgb(132, 213,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9503, 0.2639, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 213, 206) }
```

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

```
.background{ background-color: rgb(132,  
213, 206) }
```

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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