

Converting Colors

$Y_{xy}(43.6979, 0.2352, 0.3055)$

Have a look what the booklet for
Yxy(43.6979, 0.2352, 0.3055)
contains.

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Color

Yxy(43.6979, 0.2352, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	55BFCF
RGB	85, 191, 207
RGB Percent	33%, 75%, 81%
CMY	0.6665, 0.2510, 0.1882
CMYK	0.59, 0.08, 0.00, 0.19
HSL	188°, 56%, 57%
HSV	188°, 59%, 81%
XYZ	33.6424, 43.6979, 65.6970
YIQ	161.1300, -68.3120, -17.4960

Conversions

Conversions Part 2

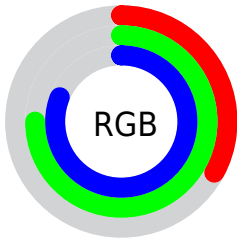
Format	Color
R _{YB}	85, 142, 207
Decimal	5619663
CIE _{Lab}	72.03, -25.74, -17.23
CIE _{LCh}	72, 30.972, 213.807
Yxy	43.6979, 0.2352, 0.3055
Android (android.graphics.Color)	4283809743 (0xFF55BFCE)
YUV	161.1300, 22.6139, -66.7660
Hunter-Lab	66.1044, -24.8390, -12.6516

Details

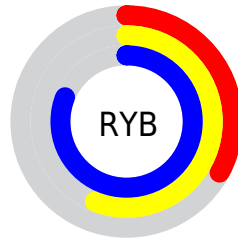
The Yxy color **43.6979, 0.2352, 0.3055** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **23.2395, 0.4805, 0.3486**, and the grayscale version is **35.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3745, 0.2527, 0.3209**, and **20.1912, 0.2156, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **41.6937, 0.2269, 0.3009**, and if you desaturate by 10%, it is **46.0108, 0.2453, 0.3100**.

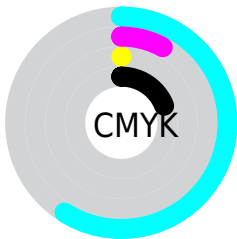
Distribution



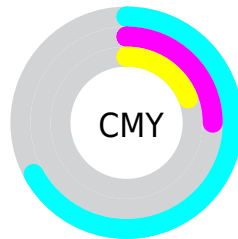
- Red (33%)
- Green (75%)
- Blue (81%)



- Red (33%)
- Yellow (56%)
- Blue (81%)



- Cyan (59%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (67%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6979, 0.2352, 0.3055 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 43.6979, 0.2352, 0.3055 by changing the saturation by 10% instead.


 43.6979, 0.2352,
0.3055


 43.6979, 0.2352,
0.3055


361.4741, 0.2732,
0.3184

 30.4331, 0.2260,
0.3020


 80.7630, 0.2488,
0.3104


 20.1675, 0.2145,
0.2972


 105.3320, 0.2540,
0.3122

 12.5169, 0.1995,
0.2907


 134.4379, 0.2584,
0.3137

 7.0967, 0.1794,
0.2810

 168.4650, 0.2621,
0.3149

 3.5227, 0.1513,
0.2658

207.7978, 0.2654,
0.3160

 1.4103, 0.1083,
0.2398

252.8207, 0.2683,

 0.2243, 0.0000,

0.3169

0.1275

303.9180, 0.2709,
0.3177

0.0000, 0.0000,
0.0000

43.6979, 0.2352,
0.3055

43.6979, 0.2352,
0.3055

41.6937, 0.2269,
0.3009

46.0108, 0.2453,
0.3100

39.9675, 0.2206,
0.2963

48.6499, 0.2570,
0.3144

38.4910, 0.2161,
0.2917

51.6373, 0.2701,
0.3185

37.2151, 0.2132,
0.2871

54.9914, 0.2842,
0.3224

37.0823, 0.2130,
0.2866

58.7296, 0.2990,
0.3260

■ 62.8678, 0.3144,
0.3293

■ 67.4211, 0.3299,
0.3323

■ 72.4039, 0.3454,
0.3350

■ 74.5969, 0.3482,
0.3377

Harmonies

Analogous

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



43.6979, 0.2566, 0.3484



43.6979, 0.2352, 0.3055



43.6979, 0.2330, 0.2736

Triad

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



43.6979, 0.2352, 0.3055



43.6979, 0.3277, 0.2789



43.6979, 0.3763, 0.4024

Complementary

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



43.6979, 0.2352, 0.3055



23.2395, 0.4805, 0.3486

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.



43.6979, 0.3988, 0.3773



43.6979, 0.2352, 0.3055



43.6979, 0.3702, 0.3079

Square

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



43.6979, 0.2352, 0.3055



43.6979, 0.2837, 0.2612



43.6979, 0.3969, 0.3430



43.6979, 0.3374, 0.4081

Rectangle

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



43.6979, 0.2352, 0.3055



43.6979, 0.2423, 0.2617



43.6979, 0.3969, 0.3430



43.6979, 0.3861, 0.3957

Sweetspot

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



43.6995, 0.2352, 0.3055



88.5261, 0.2852, 0.3227



47.4684, 0.2971, 0.4979



18.5933, 0.2809, 0.3216



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.



43.6995, 0.2352, 0.3055



65.9583, 0.2249, 0.2995



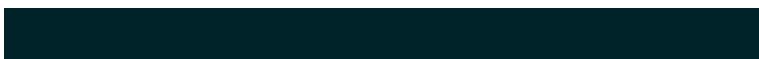
22.8849, 0.2145, 0.2112



13.1313, 0.2983, 0.3259



23.4610, 0.2131, 0.2873



1.3871, 0.2155, 0.2956

Inverse Universe

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



23.5310, 0.3376, 0.2069



31.9338, 0.3441, 0.1890



39.1523, 0.4291, 0.4201



11.9812, 0.3158, 0.3090



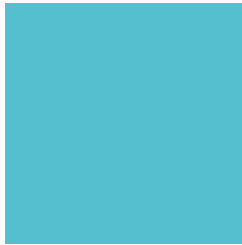
10.4397, 0.3568, 0.1739



0.5913, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 43.6979, 0.2352, 0.3055 looks on a white background.

Color Contrast Check

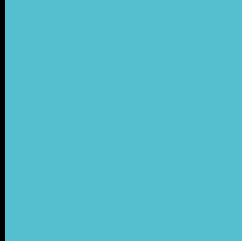
Large Text (above 18pt) WCAG AA × Fail

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 43.6979, 0.2352, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

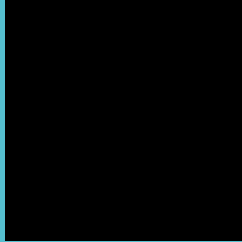
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.6979, 0.2352, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 43.6979, 0.2352, 0.3055.



This preview shows how white text looks on a background with the Yxy color 43.6979, 0.2352, 0.3055.

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

43.6979, 0.2352, 0.3055

Protanopia

43.0283, 0.2936, 0.2999

Deuteranopia

43.3222, 0.2848, 0.2792



Tritanopia

43.6979, 0.2352, 0.3055

Trichromacy



Original Color

43.6979, 0.2352, 0.3055

Protanomaly

42.3881, 0.2668, 0.3011

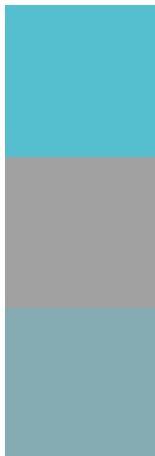
Deuteranomaly

42.6441, 0.2616, 0.2868

Tritanomaly

43.6979, 0.2352, 0.3055

Monochromacy



Original Color

43.6979, 0.2352, 0.3055

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.7059, 0.2754, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6979, 0.2352, 0.3055 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, 191, 207)` looks like.

```
.text, #text, p{  
    color:rgb(85, 191, 207)  
}
```

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, 191, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 191, 207) }
```

Border

The CSS property to change the border of an element to Yxy 43.6979, 0.2352, 0.3055 is called "border". The border property can be set on classes, ids or directly on the HTML element.

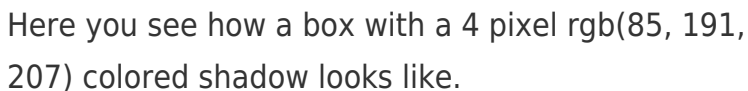
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(85, 191, 207) }
```

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

```
.border{ border-color:rgb(85, 191, 207) }
```

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



Here you see how a box with a 4 pixel `rgb(85, 191, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 191, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 191, 207); box-shadow:4px 4px 4px 4px rgb(85, 191, 207) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6979, 0.2352, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 191, 207) }
```

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

```
.background{ background-color: rgb(85, 191,  
207) }
```

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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