

Converting Colors

Yxy(52.6983, 0.2585, 0.3148)

Have a look what the booklet for
Yxy(52.6983, 0.2585, 0.3148)
contains.

Yxy(52.5535, 0.2582, 0.3143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.5535, 0.2582, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	85CBD6
RGB	133, 203, 214
RGB Percent	52%, 80%, 84%
CMY	0.4782, 0.2039, 0.1608
CMYK	0.38, 0.05, 0.00, 0.16
HSL	188°, 50%, 68%
HSV	188°, 38%, 84%
XYZ	43.1731, 52.5535, 71.4815
YIQ	183.3240, -45.2510, -11.4190

Conversions

Conversions Part 2

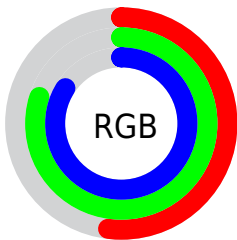
Format	Color
RYB	133, 171, 214
Decimal	8768470
CIELab	77.61, -19.14, -12.43
CIELCh	78, 22.822, 212.988
Yxy	52.5535, 0.2582, 0.3143
Android (android.graphics.Color)	4286958550 (0xFF85CBD6)
YUV	183.3240, 15.1233, -44.1341
Hunter-Lab	72.4938, -20.5598, -7.7164

Details

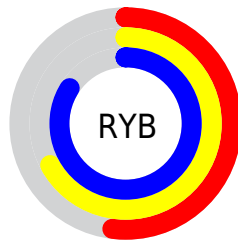
The Yxy color **52.5535, 0.2582, 0.3143** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.9575, 0.4001, 0.3429**, and the grayscale version is **47.4835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **25.6178, 0.2444, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **49.6256, 0.2463, 0.3098**, and if you desaturate by 10%, it is **55.8662, 0.2715, 0.3186**.

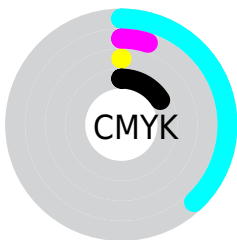
Distribution



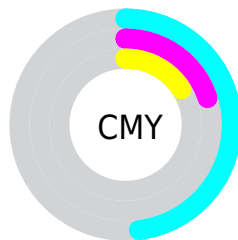
- Red (52%)
- Green (80%)
- Blue (84%)



- Red (52%)
- Yellow (67%)
- Blue (84%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)





- Cyan (48%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5535, 0.2582, 0.3143 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 52.5535, 0.2582, 0.3143 by changing the saturation by 10% instead.


 52.5535, 0.2582,
0.3143


 52.5535, 0.2582,
0.3143


396.5697, 0.2844,
0.3220


 37.4464, 0.2520,
0.3123


 93.9470, 0.2675,
0.3172

 25.5533, 0.2442,
0.3096


 121.0023, 0.2710,
0.3182

 16.4898, 0.2341,
0.3061


 152.8091, 0.2741,
0.3191

 9.8714, 0.2207,
0.3009

189.7518, 0.2767,
0.3199

 5.3138, 0.2019,
0.2931

232.2148, 0.2790,
0.3205

 2.4325, 0.1740,
0.2800

280.5825, 0.2810,

 0.8425, 0.1036,

0.3211

0.2618

335.2394, 0.2828,
0.3216

0.0000, 0.0000,
0.0000

52.5535, 0.2582,
0.3143

52.5535, 0.2582,
0.3143

49.6256, 0.2463,
0.3098

55.8662, 0.2715,
0.3186

47.0544, 0.2359,
0.3051

59.5775, 0.2857,
0.3226

44.8178, 0.2274,
0.3003

63.7079, 0.3007,
0.3263

42.8885, 0.2208,
0.2955

68.2748, 0.3161,
0.3297

41.2342, 0.2161,
0.2907

73.2944, 0.3316,
0.3328

■ 39.8096, 0.2131,
0.2860

■ 77.5355, 0.3423,
0.3356

■ 39.5133, 0.2125,
0.2850

■ 79.0798, 0.3419,
0.3385

■ 80.6508, 0.3414,
0.3414

■ 82.2487, 0.3409,
0.3443

Harmonies

Analogous

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



52.5535, 0.2742, 0.3435



52.5535, 0.2582, 0.3143



52.5535, 0.2560, 0.2913

Triad

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



52.5535, 0.2582, 0.3143



52.5535, 0.3227, 0.2929



52.5535, 0.3580, 0.3800

Complementary

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



52.5535, 0.2582, 0.3143



35.9575, 0.4001, 0.3429

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.



52.5535, 0.3726, 0.3633



52.5535, 0.2582, 0.3143



52.5535, 0.3518, 0.3139

Square

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



52.5535, 0.2582, 0.3143



52.5535, 0.2920, 0.2805



52.5535, 0.3705, 0.3392



52.5535, 0.3314, 0.3830

Rectangle

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



52.5535, 0.2582, 0.3143



52.5535, 0.2626, 0.2820



52.5535, 0.3705, 0.3392



52.5535, 0.3645, 0.3757

Sweetspot

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



52.5556, 0.2582, 0.3143



92.6542, 0.2957, 0.3251



55.0912, 0.3010, 0.4279



19.6499, 0.2936, 0.3246



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.



52.5556, 0.2582, 0.3143



74.7861, 0.2490, 0.3109



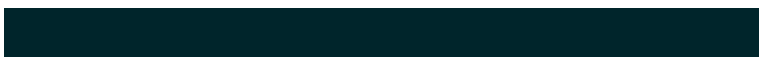
35.9491, 0.2499, 0.2576



13.8065, 0.2983, 0.3257



23.9975, 0.2127, 0.2857



1.5288, 0.2150, 0.2938

Inverse Universe

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



35.4002, 0.3276, 0.2473



46.3451, 0.3314, 0.2317



50.4049, 0.3814, 0.3909



12.6023, 0.3158, 0.3091



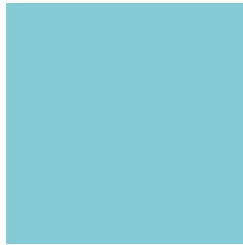
10.7674, 0.3583, 0.1747



0.6577, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 52.5535, 0.2582, 0.3143 looks on a white background.

Color Contrast Check

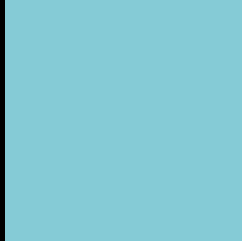
Large Text (above 18pt) WCAG AA × Fail

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 52.5535, 0.2582, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

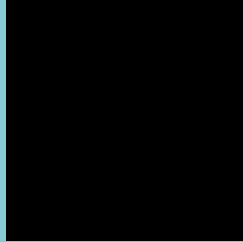
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5535, 0.2582, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 52.5535, 0.2582, 0.3143.

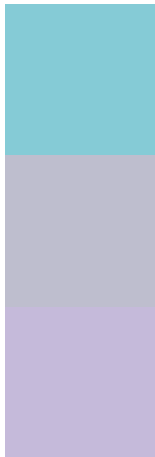


This preview shows how white text looks on a background with the Yxy color 52.5535, 0.2582, 0.3143.

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

52.5535, 0.2582, 0.3143

Protanopia

52.2303, 0.3009, 0.3094

Deuteranopia

52.0501, 0.2977, 0.2910



Tritanopia

52.4239, 0.2558, 0.3066

Trichromacy



Original Color

52.5535, 0.2582, 0.3143

Protanomaly

52.0687, 0.2832, 0.3112

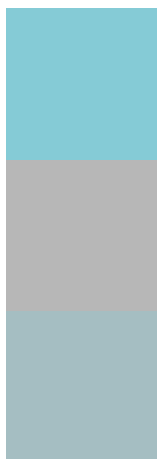
Deuteranomaly

51.7077, 0.2813, 0.2979

Tritanomaly

52.3191, 0.2569, 0.3091

Monochromacy



Original Color

52.5535, 0.2582, 0.3143

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.7213, 0.2901, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5535, 0.2582, 0.3143 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(133, 203, 214)` looks like.

```
.text, #text, p{  
    color:rgb(133, 203, 214)  
}
```

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(133, 203, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 203, 214) }
```

Border

The CSS property to change the border of an element to Yxy 52.5535, 0.2582, 0.3143 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(133, 203, 214) }
```

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

```
.border{ border-color:rgb(133, 203, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 203, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 203, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 203, 214);  
box-shadow:4px 4px 4px 4px rgb(133, 203,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5535, 0.2582, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 203, 214) }
```

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

```
.background{ background-color: rgb(133,  
203, 214) }
```

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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