

Converting Colors

$Yxy(52.0384, 0.2645, 0.3288)$

Have a look what the booklet for
Yxy(52.0384, 0.2645, 0.3288)
contains.

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Color

Yxy(52.0102, 0.2644, 0.3289)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 85CBCB |
| RGB | 133, 203, 203 |
| RGB Percent | 52%, 80%, 80% |
| CMY | 0.4782, 0.2039, 0.2041 |
| CMYK | 0.34, 0.00, 0.00, 0.20 |
| HSL | 180°, 40%, 66% |
| HSV | 180°, 34%, 80% |
| XYZ | 41.8106, 52.0102, 64.3130 |
| YIQ | 182.0700, -41.7200, -14.8400 |

Conversions

Conversions Part 2

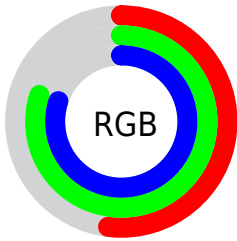
| Format | Color |
|-------------------------------------|---|
| RYB | 133, 168, 203 |
| Decimal | 8768459 |
| CIELab | 77.29, -21.83, -6.97 |
| CIELCh | 77, 22.919, 197.698 |
| Yxy | 52.0102, 0.2644, 0.3289 |
| Android (android.graphics.Color) | 4286958539 (0xFF85CBCB) |
| YUV | 182.0700, 10.3185, -43.0344 |
| Hunter-Lab | 72.1181, -22.7210, -2.3906 |

Details

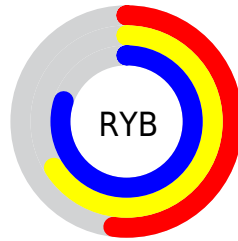
The Yxy color **52.0102, 0.2644, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.1813, 0.3934, 0.3292**, and the grayscale version is **46.7847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **25.3271, 0.2518, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **50.5153, 0.2533, 0.3289**, and if you desaturate by 10%, it is **53.8285, 0.2770, 0.3289**.

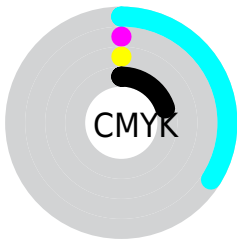
Distribution



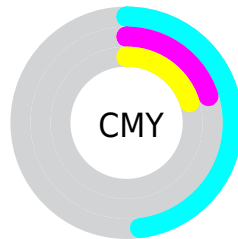
- Red (52%)
- Green (80%)
- Blue (80%)



- Red (52%)
- Yellow (66%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0102, 0.2644, 0.3289 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 52.0102, 0.2644, 0.3289 by changing the saturation by 10% instead.


 52.0102, 0.2644,
0.3289

 52.0102, 0.2644,
0.3289


394.4760, 0.2878,
0.3294


 37.0132, 0.2588,
0.3287

 93.1463, 0.2727,
0.3291

 25.2177, 0.2517,
0.3283


 120.0542, 0.2759,
0.3292

 16.2393, 0.2425,
0.3278


 151.7011, 0.2786,
0.3293

 9.6937, 0.2302,
0.3268

188.4716, 0.2810,
0.3293

 5.1963, 0.2126,
0.3249

230.7499, 0.2830,
0.3293

 2.3629, 0.1860,
0.3211

278.9204, 0.2848,

 0.8067, 0.0949,

0.3293

0.3274

333.3677, 0.2864,
0.3293

0.0000, 0.0000,
0.0000

52.0102, 0.2644,
0.3289

52.0102, 0.2644,
0.3289

50.5153, 0.2533,
0.3289

53.8285, 0.2770,
0.3289

49.3193, 0.2440,
0.3289

55.9811, 0.2909,
0.3290

48.4037, 0.2365,
0.3289


58.4858, 0.3058,
0.3290


47.7458, 0.2310,
0.3289


61.3573, 0.3214,
0.3290

47.3192, 0.2273,
0.3289


64.6096, 0.3374,
0.3291


 47.0917, 0.2253,
0.3289

 68.2560, 0.3535,
0.3291

 47.0185, 0.2247,
0.3289

 68.2847, 0.3536,
0.3291

 68.2852, 0.3536,
0.3291

 68.2856, 0.3536,
0.3291

Harmonies

Analogous

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



52.0102, 0.2866, 0.3580



52.0102, 0.2644, 0.3289



52.0102, 0.2549, 0.3016

Triad

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



52.0102, 0.2644, 0.3289



52.0102, 0.3066, 0.2850



52.0102, 0.3677, 0.3731

Complementary

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



52.0102, 0.2644, 0.3289



31.1813, 0.3934, 0.3292

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.



52.0102, 0.3742, 0.3517



52.0102, 0.2644, 0.3289



52.0102, 0.3379, 0.3022

Square

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



52.0102, 0.2644, 0.3289



52.0102, 0.2783, 0.2781



52.0102, 0.3631, 0.3260



52.0102, 0.3463, 0.3839

Rectangle

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



52.0102, 0.2644, 0.3289



52.0102, 0.2566, 0.2883



52.0102, 0.3631, 0.3260



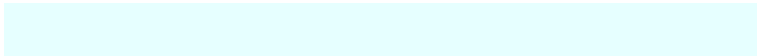
52.0102, 0.3718, 0.3668

Sweetspot

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



52.0123, 0.2644, 0.3289



95.4796, 0.2973, 0.3290



49.4924, 0.3088, 0.4310



20.3113, 0.2952, 0.3290



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.



52.0123, 0.2644, 0.3289



85.2636, 0.2564, 0.3289



37.7495, 0.2581, 0.2809



12.7270, 0.2984, 0.3290



29.9228, 0.2247, 0.3289



1.5437, 0.2247, 0.3289

Inverse Universe

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



31.1813, 0.3934, 0.3292



45.4347, 0.4186, 0.3293



41.9772, 0.3785, 0.3725



11.2138, 0.3290, 0.3290



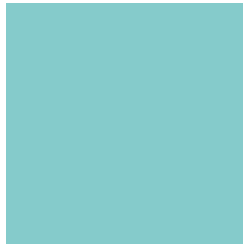
8.0802, 0.6400, 0.3299



0.4169, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 52.0102, 0.2644, 0.3289 looks on a white background.

Color Contrast Check

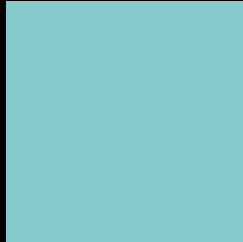
Large Text (above 18pt) WCAG AA × Fail

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 52.0102, 0.2644, 0.3289 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 52.0102, 0.2644, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 52.0102, 0.2644, 0.3289.



This preview shows how white text looks on a background with the Yxy color 52.0102, 0.2644, 0.3289.

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

52.0102, 0.2644, 0.3289

Protanopia

51.5418, 0.3106, 0.3216

Deuteranopia

51.6204, 0.3090, 0.3027



Tritanopia

52.1014, 0.2584, 0.3079

Trichromacy



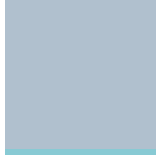
Original Color

52.0102, 0.2644, 0.3289



Protanomaly

51.3187, 0.2920, 0.3238



Deuteranomaly

51.3856, 0.2902, 0.3113



Tritanomaly

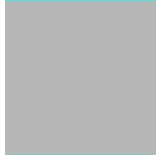
52.2288, 0.2608, 0.3156

Monochromacy



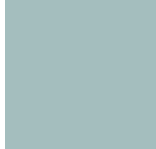
Original Color

52.0102, 0.2644, 0.3289



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

48.4371, 0.2921, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0102, 0.2644, 0.3289 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, 203)` looks like.

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

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, 203) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 52.0102, 0.2644, 0.3289 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, 203) }
```

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

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

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, 203)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 52.0102, 0.2644, 0.3289 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, 203) }
```

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

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

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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