

Converting Colors

$Y_{xy}(51.0066, 0.2650, 0.3239)$

Have a look what the booklet for
Yxy(51.0066, 0.2650, 0.3239)
contains.

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Color

Yxy(50.9024, 0.2650, 0.3235)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 88C8CC |
| RGB | 136, 200, 204 |
| RGB Percent | 53%, 78%, 80% |
| CMY | 0.4669, 0.2156, 0.2000 |
| CMYK | 0.33, 0.02, 0.00, 0.20 |
| HSL | 184°, 40%, 67% |
| HSV | 184°, 33%, 80% |
| XYZ | 41.6975, 50.9024, 64.7491 |
| YIQ | 181.3200, -39.4280, -12.3240 |

Conversions

Conversions Part 2

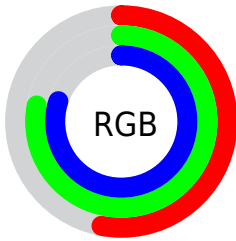
| Format | Color |
|-------------------------------------|---|
| RYB | 136, 169, 204 |
| Decimal | 8964300 |
| CIELab | 76.62, -19.30, -8.50 |
| CIELCh | 77, 21.089, 203.757 |
| Yxy | 50.9024, 0.2650, 0.3235 |
| Android (android.graphics.Color) | 4287154380 (0xFF88C8CC) |
| YUV | 181.3200, 11.1812, -39.7456 |
| Hunter-Lab | 71.3459, -20.5326, -3.8658 |

Details

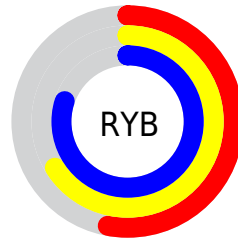
The Yxy color **50.9024, 0.2650, 0.3235** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.3418, 0.3882, 0.3344**, and the grayscale version is **46.3382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **24.5536, 0.2522, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **48.8070, 0.2532, 0.3216**, and if you desaturate by 10%, it is **53.3312, 0.2782, 0.3253**.

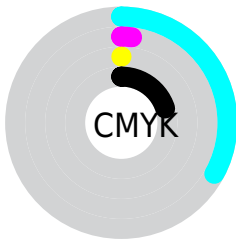
Distribution



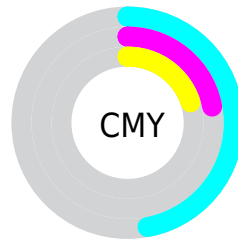
- Red (53%)
- Green (78%)
- Blue (80%)



- Red (53%)
- Yellow (66%)
- Blue (80%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (47%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9024, 0.2650, 0.3235 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 50.9024, 0.2650, 0.3235 by changing the saturation by 10% instead.


 50.9024, 0.2650,
0.3235


 50.9024, 0.2650,
0.3235


390.1845, 0.2882,
0.3266

 36.1309, 0.2594,
0.3226


 91.5105, 0.2733,
0.3247

 24.5353, 0.2524,
0.3214


 118.1159, 0.2764,
0.3251

 15.7312, 0.2433,
0.3198


 149.4348, 0.2791,
0.3255

 9.3342, 0.2309,
0.3172

185.8515, 0.2814,
0.3258

 4.9598, 0.2134,
0.3132

227.7504, 0.2834,
0.3261

 2.2237, 0.1866,
0.3057

275.5159, 0.2852,

 0.7329, 0.0933,

0.3263

0.3033

329.5325, 0.2868,
0.3265

0.0000, 0.0000,
0.0000

50.9024, 0.2650,
0.3235

50.9024, 0.2650,
0.3235

48.8070, 0.2532,
0.3216

53.3312, 0.2782,
0.3253

47.0203, 0.2430,
0.3197

56.1043, 0.2925,
0.3270

45.5240, 0.2346,
0.3177

59.2395, 0.3075,
0.3285

44.2953, 0.2282,
0.3157

62.7519, 0.3231,
0.3299

43.3078, 0.2236,
0.3138

66.6553, 0.3389,
0.3312

■ 42.5300, 0.2208,
0.3118

■ 70.3262, 0.3521,
0.3324

■ 42.0918, 0.2196,
0.3106

■ 70.9065, 0.3518,
0.3336

■ 71.4912, 0.3516,
0.3348

■ 72.0802, 0.3513,
0.3360

Harmonies

Analogous

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



50.9024, 0.2836, 0.3507



50.9024, 0.2650, 0.3235



50.9024, 0.2588, 0.2995

Triad

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



50.9024, 0.2650, 0.3235



50.9024, 0.3130, 0.2906



50.9024, 0.3607, 0.3730

Complementary

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



50.9024, 0.2650, 0.3235



33.3418, 0.3882, 0.3344

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.



50.9024, 0.3698, 0.3547



50.9024, 0.2650, 0.3235



50.9024, 0.3416, 0.3082

Square

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



50.9024, 0.2650, 0.3235



50.9024, 0.2855, 0.2820



50.9024, 0.3627, 0.3312



50.9024, 0.3387, 0.3801

Rectangle

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



50.9024, 0.2650, 0.3235



50.9024, 0.2622, 0.2885



50.9024, 0.3627, 0.3312



50.9024, 0.3654, 0.3679

Sweetspot

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



50.9044, 0.2650, 0.3235



94.5335, 0.2973, 0.3275



50.2851, 0.3059, 0.4224



20.0805, 0.2951, 0.3272



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.



50.9044, 0.2650, 0.3235



81.7690, 0.2564, 0.3222



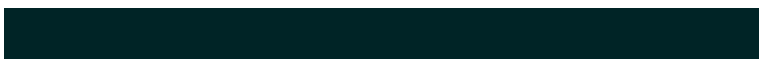
37.0645, 0.2590, 0.2760



12.6104, 0.2984, 0.3276



26.5433, 0.2197, 0.3108



1.4042, 0.2207, 0.3146

Inverse Universe

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



34.5968, 0.3204, 0.2512



50.8846, 0.3222, 0.2351



44.6399, 0.3742, 0.3766



11.3920, 0.3147, 0.3075



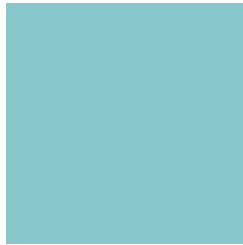
10.4826, 0.3360, 0.1625



0.5443, 0.3328, 0.1607

Previews

White Background



This preview shows how the Yxy color 50.9024, 0.2650, 0.3235 looks on a white background.

Color Contrast Check

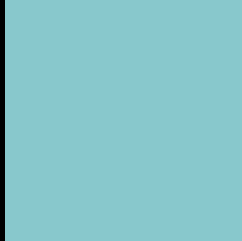
Large Text (above 18pt) WCAG AA × Fail

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 50.9024, 0.2650, 0.3235 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 50.9024, 0.2650, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 50.9024, 0.2650, 0.3235.

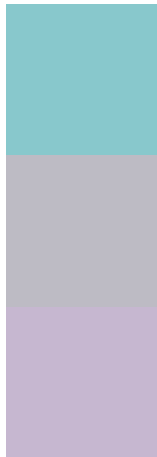


This preview shows how white text looks on a background with the Yxy color 50.9024, 0.2650, 0.3235.

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

50.9024, 0.2650, 0.3235

Protanopia

50.3450, 0.3075, 0.3178

Deuteranopia

50.4268, 0.3059, 0.2989



Tritanopia

50.6465, 0.2601, 0.3077

Trichromacy



Original Color

50.9024, 0.2650, 0.3235

Protanomaly

50.3688, 0.2905, 0.3199

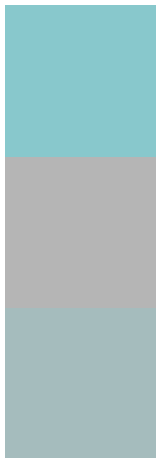
Deuteranomaly

50.0141, 0.2886, 0.3062

Tritanomaly

50.8184, 0.2620, 0.3142

Monochromacy



Original Color

50.9024, 0.2650, 0.3235

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.6399, 0.2935, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9024, 0.2650, 0.3235 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(136, 200, 204)` looks like.

```
.text, #text, p{  
    color:rgb(136, 200, 204)  
}
```

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(136, 200, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 200, 204) }
```

Border

The CSS property to change the border of an element to Yxy 50.9024, 0.2650, 0.3235 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(136, 200, 204) }
```

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

```
.border{ border-color:rgb(136, 200, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 200, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 200, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 200, 204);  
box-shadow:4px 4px 4px 4px rgb(136, 200,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9024, 0.2650, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 200, 204) }
```

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

```
.background{ background-color: rgb(136,  
200, 204) }
```

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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