

Converting Colors

$Y_{xy}(51.2994, 0.2610, 0.3127)$

Have a look what the booklet for
Yxy(51.2994, 0.2610, 0.3127)
contains.

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Color

Yxy(51.3804, 0.2610, 0.3129)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 89C8D4 |
| RGB | 137, 200, 212 |
| RGB Percent | 54%, 78%, 83% |
| CMY | 0.4627, 0.2157, 0.1685 |
| CMYK | 0.35, 0.06, 0.00, 0.17 |
| HSL | 190°, 47%, 68% |
| HSV | 190°, 35%, 83% |
| XYZ | 42.8581, 51.3804, 69.9686 |
| YIQ | 182.5310, -41.4000, -9.6240 |

Conversions

Conversions Part 2

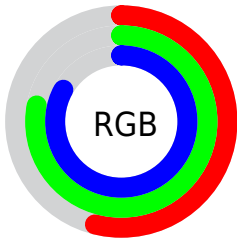
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 137, 171, 212 |
| Decimal | 9029844 |
| CIELab | 76.91, -17.06, -12.40 |
| CIElCh | 77, 21.087, 216.020 |
| Yxy | 51.3804, 0.2610, 0.3129 |
| Android (android.graphics.Color) | 4287219924 (0xFF89C8D4) |
| YUV | 182.5310, 14.5282, -39.9307 |
| Hunter-Lab | 71.6801, -18.7138, -7.6983 |

Details

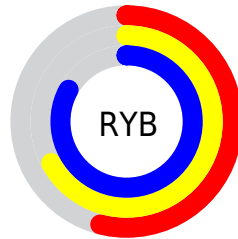
The Yxy color **51.3804, 0.2610, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3162, 0.3915, 0.3443**, and the grayscale version is **47.0222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **24.8311, 0.2479, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **48.2050, 0.2485, 0.3076**, and if you desaturate by 10%, it is **54.9470, 0.2747, 0.3179**.

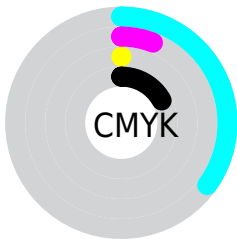
Distribution



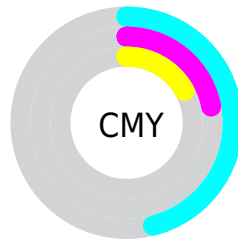
- Red (54%)
- Green (78%)
- Blue (83%)



- Red (54%)
- Yellow (67%)
- Blue (83%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)



- Cyan (46%)
- Magenta (22%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3804, 0.2610, 0.3129 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 51.3804, 0.2610, 0.3129 by changing the saturation by 10% instead.

51.3804, 0.2610,
0.3129

51.3804, 0.2610,
0.3129

392.0399, 0.2860,
0.3213

36.5114, 0.2550,
0.3107

92.2168, 0.2699,
0.3160

24.8294, 0.2475,
0.3079

118.9531, 0.2733,
0.3172

15.9500, 0.2378,
0.3041

150.4139, 0.2762,
0.3181

9.4888, 0.2248,
0.2986

186.9836, 0.2787,
0.3189

5.0614, 0.2064,
0.2903

229.0467, 0.2808,
0.3197

2.2833, 0.1789,
0.2764

276.9875, 0.2828,

0.7649, 0.1043,

0.3203

0.2568

331.1904, 0.2845,
0.3208

0.0000, 0.0000,
0.0000

51.3804, 0.2610,
0.3129

51.3804, 0.2610,
0.3129

48.2050, 0.2485,
0.3076

54.9470, 0.2747,
0.3179

45.3938, 0.2374,
0.3021

58.9180, 0.2893,
0.3226

42.9257, 0.2281,
0.2964

63.3133, 0.3044,
0.3269

40.7747, 0.2207,
0.2907

68.1496, 0.3199,
0.3308

38.9105, 0.2152,
0.2849

73.4428, 0.3353,
0.3343

■ 37.2964, 0.2115,
0.2792

■ 77.4159, 0.3437,
0.3376

■ 36.6051, 0.2102,
0.2766

■ 79.2239, 0.3431,
0.3410

■ 81.0685, 0.3426,
0.3443

■ 82.9499, 0.3420,
0.3477

Harmonies

Analogous

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



51.3804, 0.2748, 0.3397



51.3804, 0.2610, 0.3129



51.3804, 0.2603, 0.2923

Triad

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



51.3804, 0.2610, 0.3129



51.3804, 0.3250, 0.2970



51.3804, 0.3528, 0.3774

Complementary

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



51.3804, 0.2610, 0.3129



37.3162, 0.3915, 0.3443

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.



51.3804, 0.3677, 0.3631



51.3804, 0.2610, 0.3129



51.3804, 0.3514, 0.3172

Square

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



51.3804, 0.2610, 0.3129



51.3804, 0.2962, 0.2844



51.3804, 0.3674, 0.3410



51.3804, 0.3274, 0.3786

Rectangle

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



51.3804, 0.2610, 0.3129



51.3804, 0.2673, 0.2844



51.3804, 0.3674, 0.3410



51.3804, 0.3593, 0.3739

Sweetspot

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



51.3824, 0.2610, 0.3129



92.2254, 0.2957, 0.3244



54.5699, 0.3009, 0.4185



19.5471, 0.2936, 0.3238



0.0000, 0.0000, 0.0000



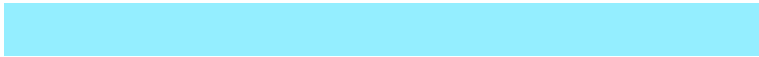
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3824, 0.2610, 0.3129



74.5508, 0.2520, 0.3092



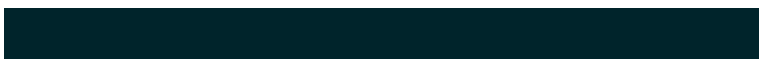
36.3627, 0.2540, 0.2613



13.7528, 0.2983, 0.3252



22.7129, 0.2104, 0.2774



1.4629, 0.2131, 0.2872

Inverse Universe

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



36.0650, 0.3283, 0.2544



48.5709, 0.3322, 0.2400



50.8316, 0.3758, 0.3883



12.5969, 0.3162, 0.3096



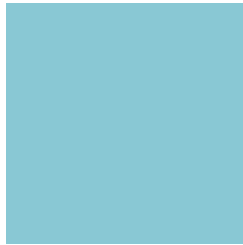
10.6377, 0.3658, 0.1789



0.6510, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 51.3804, 0.2610, 0.3129 looks on a white background.

Color Contrast Check

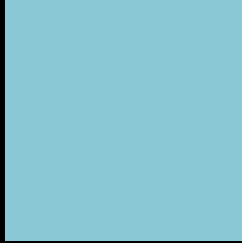
Large Text (above 18pt) WCAG AA × Fail

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 51.3804, 0.2610, 0.3129 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 51.3804, 0.2610, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 51.3804, 0.2610, 0.3129.



This preview shows how white text looks on a background with the Yxy color 51.3804, 0.2610, 0.3129.

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

51.3804, 0.2610, 0.3129

Protanopia

51.0174, 0.3007, 0.3092

Deuteranopia

50.7894, 0.2982, 0.2918



Tritanopia

51.1564, 0.2597, 0.3078

Trichromacy



Original Color

51.3804, 0.2610, 0.3129

Protanomaly

50.6393, 0.2843, 0.3098

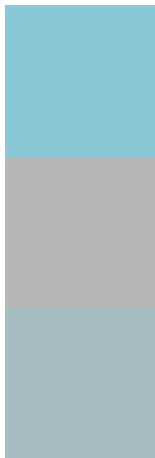
Deuteranomaly

50.6806, 0.2831, 0.2989

Tritanomaly

51.1052, 0.2603, 0.3091

Monochromacy



Original Color

51.3804, 0.2610, 0.3129

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.3972, 0.2908, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3804, 0.2610, 0.3129 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(137, 200, 212)` looks like.

```
.text, #text, p{  
    color:rgb(137, 200, 212)  
}
```

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(137, 200, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 200, 212) }
```

Border

The CSS property to change the border of an element to Yxy 51.3804, 0.2610, 0.3129 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(137, 200, 212) }
```

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

```
.border{ border-color:rgb(137, 200, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 200, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 200, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 200, 212);  
box-shadow:4px 4px 4px 4px rgb(137, 200,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3804, 0.2610, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 200, 212) }
```

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

```
.background{ background-color: rgb(137,  
200, 212) }
```

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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