

Converting Colors

$Y_{xy}(51.1110, 0.2566, 0.3048)$

Have a look what the booklet for
Yxy(51.1110, 0.2566, 0.3048)
contains.

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Color

Yxy(51.0075, 0.2569, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	87C7D9
RGB	135, 199, 217
RGB Percent	53%, 78%, 85%
CMY	0.4702, 0.2197, 0.1490
CMYK	0.38, 0.08, 0.00, 0.15
HSL	193°, 52%, 69%
HSV	193°, 38%, 85%
XYZ	42.9493, 51.0075, 73.2261
YIQ	181.9160, -43.9220, -7.9700

Conversions

Conversions Part 2

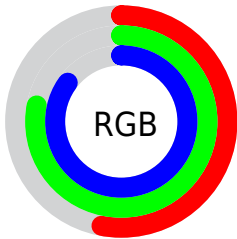
Format	Color
RYB	135, 171, 217
Decimal	8898521
CIELab	76.68, -15.81, -15.43
CIElCh	77, 22.091, 224.293
Yxy	51.0075, 0.2569, 0.3051
Android (android.graphics.Color)	4287088601 (0xFF87C7D9)
YUV	181.9160, 17.2964, -41.1453
Hunter-Lab	71.4195, -17.6403, -10.7961

Details

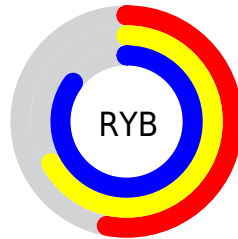
The Yxy color **51.0075, 0.2569, 0.3051** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3179, 0.3967, 0.3513**, and the grayscale version is **46.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **24.5649, 0.2422, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **47.2266, 0.2441, 0.2976**, and if you desaturate by 10%, it is **55.2282, 0.2709, 0.3121**.

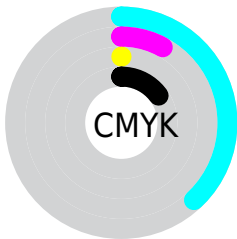
Distribution



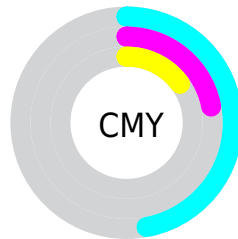
- Red (53%)
- Green (78%)
- Blue (85%)



- Red (53%)
- Yellow (67%)
- Blue (85%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (47%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0075, 0.2569, 0.3051 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 51.0075, 0.2569, 0.3051 by changing the saturation by 10% instead.

■ 51.0075, 0.2569,
0.3051

■ 51.0075, 0.2569,
0.3051

■ 390.5929, 0.2838,
0.3173

■ 36.2146, 0.2505,
0.3020

■ 91.6659, 0.2665,
0.3096

■ 24.6000, 0.2424,
0.2980

■ 118.3001, 0.2701,
0.3113

■ 15.7793, 0.2321,
0.2926

■ 149.6502, 0.2732,
0.3127

■ 9.3681, 0.2182,
0.2850

■ 186.1006, 0.2759,
0.3139

■ 4.9820, 0.1987,
0.2737

■ 228.0357, 0.2783,
0.3149

■ 2.2367, 0.1699,
0.2554

■ 275.8398, 0.2803,

■ 0.7399, 0.0972,

0.3158

0.2266

329.8974, 0.2822,
0.3166

0.0000, 0.0000,
0.0000

51.0075, 0.2569,
0.3051

51.0075, 0.2569,
0.3051

47.2266, 0.2441,
0.2976

55.2282, 0.2709,
0.3121

43.8563, 0.2326,
0.2898

59.9037, 0.2856,
0.3187

40.8733, 0.2229,
0.2818

65.0558, 0.3008,
0.3247

38.2486, 0.2151,
0.2737

70.7027, 0.3162,
0.3302

35.9485, 0.2092,
0.2656

76.8618, 0.3315,
0.3351

■ 33.9261, 0.2052,
0.2576

■ 81.5459, 0.3391,
0.3397

■ 33.4921, 0.2044,
0.2557

■ 84.2017, 0.3384,
0.3444

■ 86.9305, 0.3377,
0.3491

■ 89.7328, 0.3370,
0.3537

Harmonies

Analogous

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



51.0075, 0.2677, 0.3322



51.0075, 0.2569, 0.3051



51.0075, 0.2601, 0.2863

Triad

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



51.0075, 0.2569, 0.3051



51.0075, 0.3339, 0.3006



51.0075, 0.3482, 0.3818

Complementary

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



51.0075, 0.2569, 0.3051



39.3179, 0.3967, 0.3513

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.



51.0075, 0.3676, 0.3699



51.0075, 0.2569, 0.3051



51.0075, 0.3594, 0.3233

Square

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



51.0075, 0.2569, 0.3051



51.0075, 0.3034, 0.2849



51.0075, 0.3720, 0.3483



51.0075, 0.3198, 0.3786

Rectangle

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



51.0075, 0.2569, 0.3051



51.0075, 0.2698, 0.2804



51.0075, 0.3720, 0.3483



51.0075, 0.3561, 0.3793

Sweetspot

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



51.0095, 0.2569, 0.3051



91.1906, 0.2957, 0.3228



57.0780, 0.2969, 0.4179



19.2991, 0.2936, 0.3219



0.0000, 0.0000, 0.0000



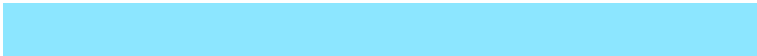
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0095, 0.2569, 0.3051



69.2823, 0.2469, 0.2994



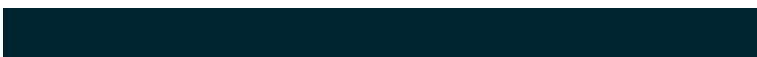
34.7226, 0.2485, 0.2479



14.3184, 0.2982, 0.3237



20.4369, 0.2047, 0.2569



1.4466, 0.2083, 0.2700

Inverse Universe

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



36.2269, 0.3344, 0.2545



45.7895, 0.3402, 0.2400



54.9939, 0.3784, 0.3984



13.2233, 0.3171, 0.3109



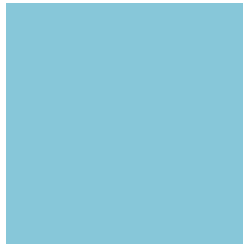
10.6869, 0.3854, 0.1897



0.7047, 0.3728, 0.1827

Previews

White Background



This preview shows how the Yxy color 51.0075, 0.2569, 0.3051 looks on a white background.

Color Contrast Check

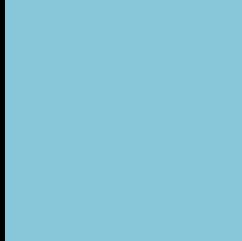
Large Text (above 18pt) WCAG AA × Fail

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 51.0075, 0.2569, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

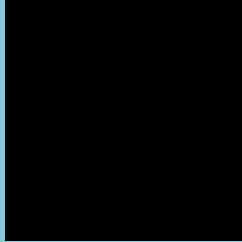
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

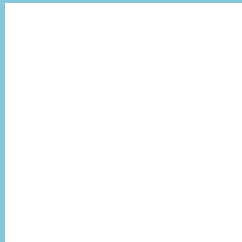
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0075, 0.2569, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 51.0075, 0.2569, 0.3051.



This preview shows how white text looks on a background with the Yxy color 51.0075, 0.2569, 0.3051.

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

51.0075, 0.2569, 0.3051

Protanopia

50.5832, 0.2955, 0.3018

Deuteranopia

50.6548, 0.2923, 0.2858



Tritanopia

50.9040, 0.2580, 0.3077

Trichromacy



Original Color

51.0075, 0.2569, 0.3051

Protanomaly

50.2306, 0.2795, 0.3022

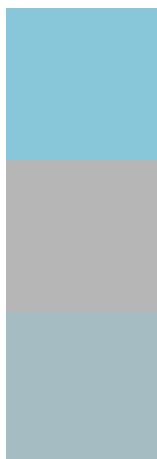
Deuteranomaly

50.1676, 0.2776, 0.2915

Tritanomaly

50.9556, 0.2574, 0.3064

Monochromacy



Original Color

51.0075, 0.2569, 0.3051

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.9059, 0.2893, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0075, 0.2569, 0.3051 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(135, 199, 217)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 217)  
}
```

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(135, 199, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 217) }
```

Border

The CSS property to change the border of an element to Yxy 51.0075, 0.2569, 0.3051 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(135, 199, 217) }
```

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

```
.border{ border-color:rgb(135, 199, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 199, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 199, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 199, 217);  
box-shadow:4px 4px 4px 4px rgb(135, 199,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0075, 0.2569, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 217) }
```

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

```
.background{ background-color: rgb(135,  
199, 217) }
```

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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