

Converting Colors

$Y_{xy}(50.8430, 0.2512, 0.3023)$

Have a look what the booklet for
Yxy(50.8430, 0.2512, 0.3023)
contains.

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Color

Yxy(50.9879, 0.2510, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	7FC8DC
RGB	127, 200, 220
RGB Percent	50%, 78%, 86%
CMY	0.5020, 0.2157, 0.1374
CMYK	0.42, 0.09, 0.00, 0.14
HSL	193°, 57%, 68%
HSV	193°, 42%, 86%
XYZ	42.3213, 50.9879, 75.3016
YIQ	180.4530, -49.9280, -9.2560

Conversions

Conversions Part 2

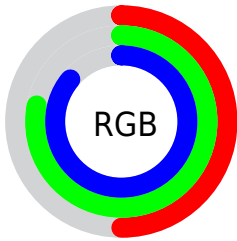
Format	Color
RYB	127, 168, 220
Decimal	8374492
CIELab	76.67, -17.64, -17.09
CIELCh	77, 24.559, 224.088
Yxy	50.9879, 0.2510, 0.3024
Android (android.graphics.Color)	4286564572 (0xFF7FC8DC)
YUV	180.4530, 19.4967, -46.8783
Hunter-Lab	71.4058, -19.1655, -12.5407

Details

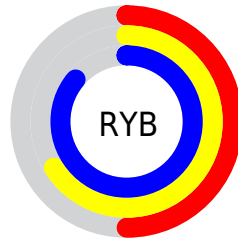
The Yxy color **50.9879, 0.2510, 0.3024** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.5998, 0.4114, 0.3534**, and the grayscale version is **45.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **24.6140, 0.2353, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **47.3268, 0.2388, 0.2950**, and if you desaturate by 10%, it is **55.0892, 0.2645, 0.3095**.

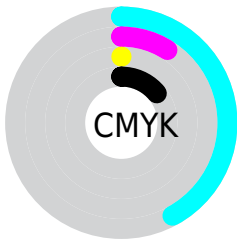
Distribution



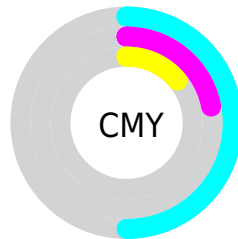
- Red (50%)
- Green (78%)
- Blue (86%)



- Red (50%)
- Yellow (66%)
- Blue (86%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9879, 0.2510, 0.3024 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 50.9879, 0.2510, 0.3024 by changing the saturation by 10% instead.

■ 50.9879, 0.2510,
0.3024

■ 50.9879, 0.2510,
0.3024

■ 390.5168, 0.2807,
0.3161

■ 36.1990, 0.2440,
0.2989

■ 91.6369, 0.2615,
0.3074

■ 24.5879, 0.2352,
0.2944

■ 118.2657, 0.2655,
0.3093

■ 15.7703, 0.2238,
0.2884

■ 149.6100, 0.2690,
0.3109

■ 9.3618, 0.2088,
0.2800

■ 186.0541, 0.2719,
0.3122

■ 4.9779, 0.1878,
0.2674

■ 227.9825, 0.2745,
0.3134

■ 2.2343, 0.1572,
0.2471

■ 275.7794, 0.2768,

■ 0.7386, 0.0793,

0.3144

0.2158

329.8294, 0.2789,
0.3153

0.0000, 0.0000,
0.0000

50.9879, 0.2510,
0.3024

50.9879, 0.2510,
0.3024

47.3268, 0.2388,
0.2950

55.0892, 0.2645,
0.3095

44.0751, 0.2282,
0.2872

59.6475, 0.2789,
0.3161

41.2072, 0.2194,
0.2794

64.6857, 0.2939,
0.3222

38.6911, 0.2125,
0.2714

70.2232, 0.3092,
0.3278

36.4887, 0.2076,
0.2635

76.2783, 0.3246,
0.3329

■ 34.9519, 0.2049,
0.2575

■ 82.1053, 0.3370,
0.3374

■ 84.7453, 0.3363,
0.3421

■ 87.4569, 0.3357,
0.3467

■ 90.2406, 0.3350,
0.3513

Harmonies

Analogous

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



50.9879, 0.2629, 0.3327



50.9879, 0.2510, 0.3024



50.9879, 0.2544, 0.2817

Triad

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



50.9879, 0.2510, 0.3024



50.9879, 0.3359, 0.2975



50.9879, 0.3522, 0.3877

Complementary

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



50.9879, 0.2510, 0.3024



37.5998, 0.4114, 0.3534

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.



50.9879, 0.3738, 0.3741



50.9879, 0.2510, 0.3024



50.9879, 0.3646, 0.3224

Square

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



50.9879, 0.2510, 0.3024



50.9879, 0.3020, 0.2802



50.9879, 0.3787, 0.3499



50.9879, 0.3206, 0.3846

Rectangle

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



50.9879, 0.2510, 0.3024



50.9879, 0.2650, 0.2752



50.9879, 0.3787, 0.3499



50.9879, 0.3609, 0.3848

Sweetspot

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



50.9899, 0.2510, 0.3024



89.7878, 0.2926, 0.3217



57.7468, 0.2962, 0.4331



18.8729, 0.2892, 0.3204



0.0000, 0.0000, 0.0000



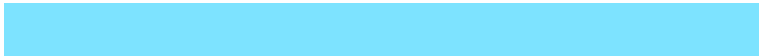
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9899, 0.2510, 0.3024



66.5544, 0.2398, 0.2956



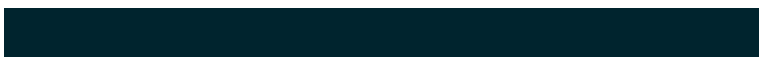
33.0841, 0.2405, 0.2384



14.3302, 0.2982, 0.3239



20.6872, 0.2052, 0.2587



1.4609, 0.2087, 0.2715

Inverse Universe

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



34.5602, 0.3373, 0.2453



41.4647, 0.3443, 0.2287



54.4784, 0.3881, 0.4050



13.2245, 0.3170, 0.3108



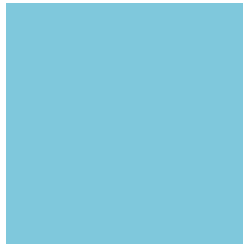
10.7122, 0.3837, 0.1887



0.7062, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 50.9879, 0.2510, 0.3024 looks on a white background.

Color Contrast Check

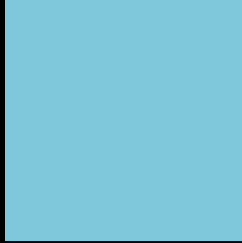
Large Text (above 18pt) WCAG AA × Fail

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 50.9879, 0.2510, 0.3024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

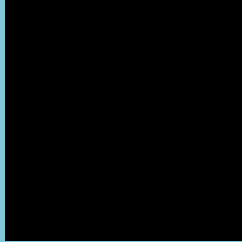
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.9879, 0.2510, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 50.9879, 0.2510, 0.3024.



This preview shows how white text looks on a background with the Yxy color 50.9879, 0.2510, 0.3024.

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

50.9879, 0.2510, 0.3024

Protanopia

50.5581, 0.2933, 0.2994

Deuteranopia

50.5558, 0.2886, 0.2823



Tritanopia

51.2187, 0.2523, 0.3075

Trichromacy



Original Color

50.9879, 0.2510, 0.3024

Protanomaly

50.4468, 0.2761, 0.3009

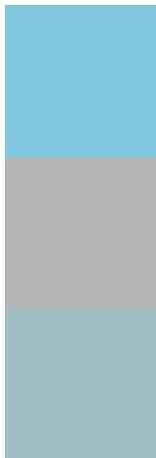
Deuteranomaly

50.3163, 0.2729, 0.2889

Tritanomaly

51.2709, 0.2517, 0.3062

Monochromacy



Original Color

50.9879, 0.2510, 0.3024

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.0578, 0.2862, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9879, 0.2510, 0.3024 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(127, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(127, 200, 220)  
}
```

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(127, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 200, 220) }
```

Border

The CSS property to change the border of an element to Yxy 50.9879, 0.2510, 0.3024 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(127, 200, 220) }
```

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

```
.border{ border-color:rgb(127, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(127, 200,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9879, 0.2510, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 200, 220) }
```

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

```
.background{ background-color: rgb(127,  
200, 220) }
```

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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