

Converting Colors

$Y_{xy}(51.1937, 0.2529, 0.3081)$

Have a look what the booklet for
Yxy(51.1937, 0.2529, 0.3081)
contains.

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Color

Yxy(51.2432, 0.2533, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	7FC9D8
RGB	127, 201, 216
RGB Percent	50%, 79%, 85%
CMY	0.5021, 0.2117, 0.1528
CMYK	0.41, 0.07, 0.00, 0.15
HSL	190°, 53%, 67%
HSV	190°, 41%, 85%
XYZ	42.0334, 51.2432, 72.6664
YIQ	180.5840, -48.9190, -11.0230

Conversions

Conversions Part 2

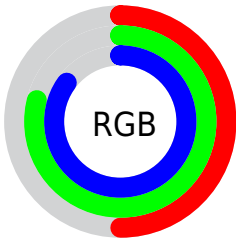
Format	Color
RYB	127, 167, 216
Decimal	8374744
CIELab	76.83, -19.17, -14.73
CIELCh	77, 24.181, 217.540
Yxy	51.2432, 0.2533, 0.3088
Android (android.graphics.Color)	4286564824 (0xFF7FC9D8)
YUV	180.5840, 17.4601, -46.9932
Hunter-Lab	71.5844, -20.4598, -10.0772

Details

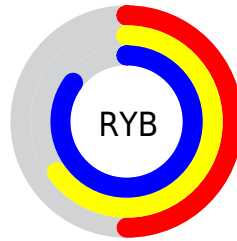
The Yxy color **51.2432, 0.2533, 0.3088** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4818, 0.4100, 0.3478**, and the grayscale version is **45.8941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **24.7802, 0.2382, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **48.0811, 0.2415, 0.3031**, and if you desaturate by 10%, it is **54.8052, 0.2664, 0.3143**.

Distribution



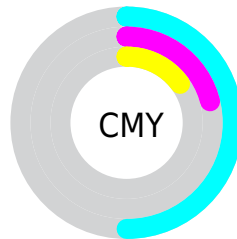
- Red (50%)
- Green (79%)
- Blue (85%)



- Red (50%)
- Yellow (65%)
- Blue (85%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)



- Cyan (50%)
- Magenta (21%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2432, 0.2533, 0.3088 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 51.2432, 0.2533, 0.3088 by changing the saturation by 10% instead.

■ 51.2432, 0.2533,
0.3088

■ 51.2432, 0.2533,
0.3088

■ 391.5079, 0.2819,
0.3193

■ 36.4022, 0.2465,
0.3061

■ 92.0142, 0.2634,
0.3127

■ 24.7450, 0.2380,
0.3025

■ 118.7129, 0.2673,
0.3142

■ 15.8872, 0.2270,
0.2977

■ 150.1330, 0.2706,
0.3154

■ 9.4443, 0.2124,
0.2909

■ 186.6589, 0.2735,
0.3164

■ 5.0321, 0.1920,
0.2806

■ 228.6749, 0.2760,
0.3173

■ 2.2661, 0.1619,
0.2636

■ 276.5655, 0.2782,

■ 0.7557, 0.0792,

0.3181

0.2392

330.7151, 0.2802,
0.3187

0.0000, 0.0000,
0.0000

51.2432, 0.2533,
0.3088

51.2432, 0.2533,
0.3088

48.0811, 0.2415,
0.3031

54.8052, 0.2664,
0.3143

45.2897, 0.2313,
0.2971

58.7824, 0.2806,
0.3194

42.8451, 0.2230,
0.2911

63.1962, 0.2955,
0.3241

40.7177, 0.2166,
0.2850

68.0650, 0.3108,
0.3285

38.8721, 0.2121,
0.2789

73.4058, 0.3263,
0.3324

■ 37.4321, 0.2094,
0.2737

■ 78.9323, 0.3405,
0.3360

■ 80.9003, 0.3399,
0.3396

■ 82.9106, 0.3394,
0.3432

■ 84.9633, 0.3388,
0.3468

Harmonies

Analogous

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



51.2432, 0.2682, 0.3396



51.2432, 0.2533, 0.3088



51.2432, 0.2533, 0.2859

Triad

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



51.2432, 0.2533, 0.3088



51.2432, 0.3284, 0.2935



51.2432, 0.3573, 0.3850

Complementary

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



51.2432, 0.2533, 0.3088



35.4818, 0.4100, 0.3478

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.



51.2432, 0.3754, 0.3688



51.2432, 0.2533, 0.3088



51.2432, 0.3585, 0.3167

Square

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



51.2432, 0.2533, 0.3088



51.2432, 0.2952, 0.2787



51.2432, 0.3760, 0.3438



51.2432, 0.3277, 0.3858

Rectangle

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



51.2432, 0.2533, 0.3088



51.2432, 0.2617, 0.2775



51.2432, 0.3760, 0.3438



51.2432, 0.3650, 0.3810

Sweetspot

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



51.2452, 0.2533, 0.3088



91.4004, 0.2942, 0.3237



55.5882, 0.2983, 0.4343



19.3758, 0.2922, 0.3231



0.0000, 0.0000, 0.0000



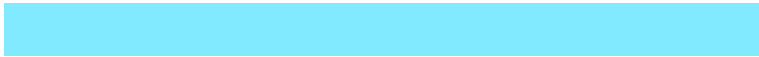
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2452, 0.2533, 0.3088



70.7654, 0.2435, 0.3041



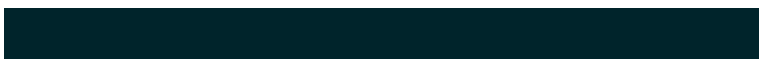
33.4672, 0.2432, 0.2455



13.7345, 0.2983, 0.3250



22.2852, 0.2096, 0.2746



1.4408, 0.2125, 0.2850

Inverse Universe

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



33.9920, 0.3323, 0.2431



43.1740, 0.3372, 0.2273



51.4007, 0.3873, 0.3998



12.5950, 0.3163, 0.3098



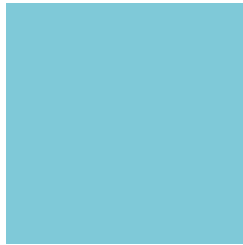
10.5946, 0.3685, 0.1804



0.6488, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 51.2432, 0.2533, 0.3088 looks on a white background.

Color Contrast Check

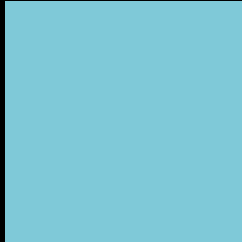
Large Text (above 18pt) WCAG AA × Fail

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 51.2432, 0.2533, 0.3088 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 51.2432, 0.2533, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 51.2432, 0.2533, 0.3088.



This preview shows how white text looks on a background with the Yxy color 51.2432, 0.2533, 0.3088.

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

51.2432, 0.2533, 0.3088

Protanopia

50.6104, 0.2978, 0.3043

Deuteranopia

50.6548, 0.2923, 0.2858



Tritanopia

51.2951, 0.2528, 0.3076

Trichromacy



Original Color

51.2432, 0.2533, 0.3088

Protanomaly

50.3517, 0.2794, 0.3059

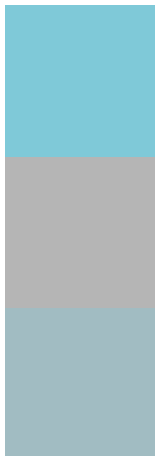
Deuteranomaly

50.2662, 0.2755, 0.2925

Tritanomaly

51.2951, 0.2528, 0.3076

Monochromacy



Original Color

51.2432, 0.2533, 0.3088

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4385, 0.2870, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2432, 0.2533, 0.3088 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, 201, 216)` looks like.

```
.text, #text, p{  
    color:rgb(127, 201, 216)  
}
```

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, 201, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 201, 216) }
```

Border

The CSS property to change the border of an element to Yxy 51.2432, 0.2533, 0.3088 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, 201, 216) }
```

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

```
.border{ border-color:rgb(127, 201, 216) }
```

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

Here you see how a box with a 4 pixel rgb(127, 201, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 201, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 201, 216);  
box-shadow:4px 4px 4px 4px rgb(127, 201,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2432, 0.2533, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 201, 216) }
```

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

```
.background{ background-color: rgb(127,  
201, 216) }
```

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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