

Converting Colors

$Yxy(51.3206, 0.2627, 0.3206)$

Have a look what the booklet for
Yxy(51.3206, 0.2627, 0.3206)
contains.

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Color

Yxy(51.4292, 0.2629, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	87C9CF
RGB	135, 201, 207
RGB Percent	53%, 79%, 81%
CMY	0.4704, 0.2118, 0.1882
CMYK	0.35, 0.03, 0.00, 0.19
HSL	185°, 43%, 67%
HSV	185°, 35%, 81%
XYZ	42.1469, 51.4292, 66.7393
YIQ	181.9500, -41.2620, -12.1260

Conversions

Conversions Part 2

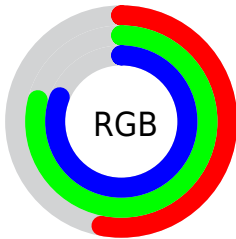
Format	Color
RYB	135, 169, 207
Decimal	8899023
CIELab	76.94, -19.31, -9.65
CIElCh	77, 21.592, 206.554
Yxy	51.4292, 0.2629, 0.3208
Android (android.graphics.Color)	4287089103 (0xFF87C9CF)
YUV	181.9500, 12.3497, -41.1751
Hunter-Lab	71.7142, -20.5940, -4.9771

Details

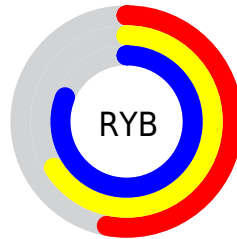
The Yxy color **51.4292, 0.2629, 0.3208** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.0848, 0.3919, 0.3369**, and the grayscale version is **46.7056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **24.9167, 0.2497, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **49.0754, 0.2511, 0.3181**, and if you desaturate by 10%, it is **54.1300, 0.2761, 0.3234**.

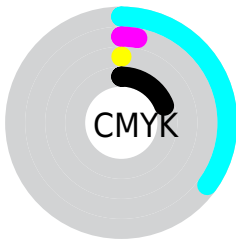
Distribution



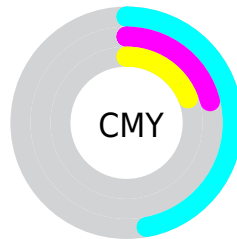
- Red (53%)
- Green (79%)
- Blue (81%)



- Red (53%)
- Yellow (66%)
- Blue (81%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)





- Cyan (47%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4292, 0.2629, 0.3208 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 51.4292, 0.2629, 0.3208 by changing the saturation by 10% instead.


 51.4292, 0.2629,
0.3208


 51.4292, 0.2629,
0.3208

392.2290, 0.2870,
0.3253


 36.5503, 0.2571,
0.3196


 92.2889, 0.2715,
0.3225

 24.8595, 0.2499,
0.3180


 119.0385, 0.2748,
0.3231

 15.9724, 0.2404,
0.3157


 150.5137, 0.2775,
0.3236

 9.5046, 0.2277,
0.3124

187.0991, 0.2800,
0.3241

 5.0718, 0.2098,
0.3072

229.1789, 0.2821,
0.3244

 2.2894, 0.1826,
0.2979

277.1375, 0.2839,

 0.7681, 0.0977,

0.3248

0.2901

331.3594, 0.2855,
0.3250

0.0000, 0.0000,
0.0000

51.4292, 0.2629,
0.3208

51.4292, 0.2629,
0.3208

49.0754, 0.2511,
0.3181

54.1300, 0.2761,
0.3234

47.0431, 0.2408,
0.3153

57.1896, 0.2904,
0.3258

45.3127, 0.2324,
0.3125

60.6266, 0.3054,
0.3280

43.8603, 0.2259,
0.3096

64.4566, 0.3209,
0.3300

42.6579, 0.2213,
0.3067

68.6942, 0.3366,
0.3319

■ 41.6714, 0.2184,
0.3039

■ 72.5376, 0.3490,
0.3336

■ 41.2083, 0.2174,
0.3024

■ 73.4034, 0.3487,
0.3353

■ 74.2785, 0.3483,
0.3371

■ 75.1628, 0.3480,
0.3388

Harmonies

Analogous

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



51.4292, 0.2808, 0.3487



51.4292, 0.2629, 0.3208



51.4292, 0.2579, 0.2970

Triad

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



51.4292, 0.2629, 0.3208



51.4292, 0.3158, 0.2912



51.4292, 0.3600, 0.3751

Complementary

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



51.4292, 0.2629, 0.3208



34.0848, 0.3919, 0.3369

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.



51.4292, 0.3707, 0.3573



51.4292, 0.2629, 0.3208



51.4292, 0.3446, 0.3098

Square

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



51.4292, 0.2629, 0.3208



51.4292, 0.2873, 0.2815



51.4292, 0.3651, 0.3335



51.4292, 0.3367, 0.3811

Rectangle

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



51.4292, 0.2629, 0.3208



51.4292, 0.2622, 0.2865



51.4292, 0.3651, 0.3335



51.4292, 0.3653, 0.3702

Sweetspot

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



51.4312, 0.2629, 0.3208



94.1289, 0.2972, 0.3268



51.7078, 0.3041, 0.4236



19.9818, 0.2951, 0.3265



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.



51.4312, 0.2629, 0.3208



79.4509, 0.2536, 0.3187



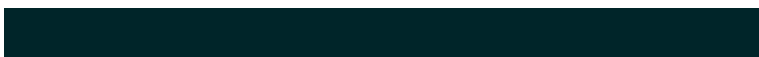
36.5822, 0.2561, 0.2698



13.2311, 0.2983, 0.3270



26.0294, 0.2175, 0.3028



1.5064, 0.2189, 0.3080

Inverse Universe

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



34.8252, 0.3225, 0.2499



49.0656, 0.3250, 0.2330



46.4708, 0.3763, 0.3815



11.9913, 0.3150, 0.3080



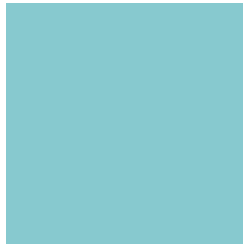
10.6990, 0.3429, 0.1663



0.6034, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 51.4292, 0.2629, 0.3208 looks on a white background.

Color Contrast Check

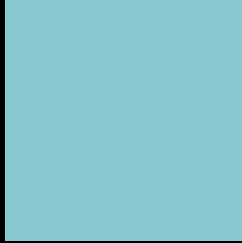
Large Text (above 18pt) WCAG AA × Fail

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 51.4292, 0.2629, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

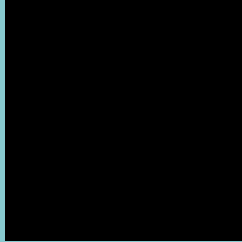
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4292, 0.2629, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 51.4292, 0.2629, 0.3208.



This preview shows how white text looks on a background with the Yxy color 51.4292, 0.2629, 0.3208.

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

51.4292, 0.2629, 0.3208

Protanopia

51.0371, 0.3060, 0.3154

Deuteranopia

50.9899, 0.3036, 0.2966



Tritanopia

51.5848, 0.2588, 0.3078

Trichromacy



Original Color

51.4292, 0.2629, 0.3208

Protanomaly

50.9502, 0.2885, 0.3174

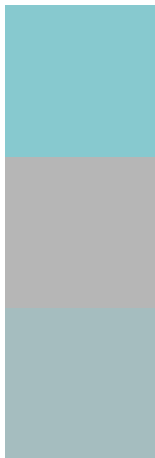
Deuteranomaly

50.5940, 0.2866, 0.3038

Tritanomaly

51.3469, 0.2599, 0.3116

Monochromacy



Original Color

51.4292, 0.2629, 0.3208

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.1561, 0.2922, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4292, 0.2629, 0.3208 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, 201, 207)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 207)  
}
```

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, 201, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 207) }
```

Border

The CSS property to change the border of an element to Yxy 51.4292, 0.2629, 0.3208 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, 201, 207) }
```

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

```
.border{ border-color:rgb(135, 201, 207) }
```

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

Here you see how a box with a 4 pixel rgb(135, 201, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 207);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4292, 0.2629, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 207) }
```

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

```
.background{ background-color: rgb(135,  
201, 207) }
```

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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