

Converting Colors

$Yxy(52.4807, 0.2507, 0.2959)$

Have a look what the booklet for
Yxy(52.4807, 0.2507, 0.2959)
contains.

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Color

Yxy(52.3059, 0.2508, 0.2952)

Conversions

Conversions Part 1

Format	Color
Hex	85C9E3
RGB	133, 201, 227
RGB Percent	52%, 79%, 89%
CMY	0.4780, 0.2118, 0.1097
CMYK	0.41, 0.11, 0.00, 0.11
HSL	197°, 63%, 71%
HSV	197°, 41%, 89%
XYZ	44.4388, 52.3059, 80.4434
YIQ	183.6320, -48.8740, -6.3300

Conversions

Conversions Part 2

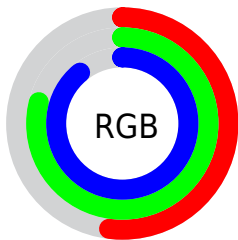
Format	Color
RYB	133, 172, 227
Decimal	8767971
CIELab	77.46, -14.79, -19.66
CIELCh	77, 24.601, 233.049
Yxy	52.3059, 0.2508, 0.2952
Android (android.graphics.Color)	4286958051 (0xFF85C9E3)
YUV	183.6320, 21.3804, -44.4043
Hunter-Lab	72.3228, -16.8856, -15.3212

Details

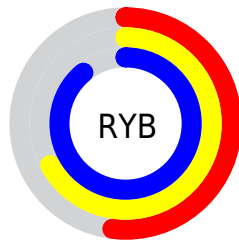
The Yxy color **52.3059, 0.2508, 0.2952** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.8768, 0.4057, 0.3598**, and the grayscale version is **47.6327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **25.4238, 0.2348, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **47.7791, 0.2377, 0.2854**, and if you desaturate by 10%, it is **57.3564, 0.2650, 0.3044**.

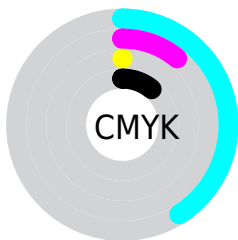
Distribution



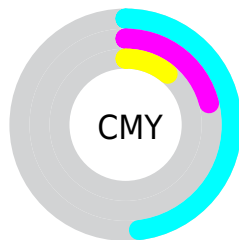
- Red (52%)
- Green (79%)
- Blue (89%)



- Red (52%)
- Yellow (67%)
- Blue (89%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (11%)



- Cyan (48%)
- Magenta (21%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3059, 0.2508, 0.2952 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 52.3059, 0.2508, 0.2952 by changing the saturation by 10% instead.

■ 52.3059, 0.2508,
0.2952

■ 52.3059, 0.2508,
0.2952

■ 395.6164, 0.2804,
0.3122

■ 37.2490, 0.2438,
0.2910

■ 93.5822, 0.2612,
0.3014

■ 25.4003, 0.2351,
0.2855

■ 120.5704, 0.2653,
0.3037

■ 16.3756, 0.2240,
0.2784

■ 152.3044, 0.2687,
0.3057

■ 9.7903, 0.2092,
0.2686

■ 189.1687, 0.2717,
0.3074

■ 5.2601, 0.1888,
0.2543

■ 231.5477, 0.2743,
0.3088

■ 2.4007, 0.1594,
0.2319

■ 279.8257, 0.2766,

■ 0.8262, 0.1009,

0.3101

0.1964

334.3871, 0.2786,
0.3112

0.0000, 0.0000,
0.0000

52.3059, 0.2508,
0.2952

52.3059, 0.2508,
0.2952

47.7791, 0.2377,
0.2854

57.3564, 0.2650,
0.3044

43.7427, 0.2261,
0.2753

62.9495, 0.2799,
0.3130

40.1680, 0.2162,
0.2648

69.1106, 0.2952,
0.3209

37.0204, 0.2083,
0.2543

75.8612, 0.3106,
0.3281

34.2584, 0.2024,
0.2438

83.2218, 0.3259,
0.3345

■ 32.1267, 0.1986,
0.2349

■ 88.3942, 0.3310,
0.3406

■ 92.1392, 0.3303,
0.3467

■ 96.0138, 0.3296,
0.3527

■ 98.3274, 0.3291,
0.3562

Harmonies

Analogous

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



52.3059, 0.2582, 0.3231



52.3059, 0.2508, 0.2952



52.3059, 0.2588, 0.2784

Triad

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



52.3059, 0.2508, 0.2952



52.3059, 0.3453, 0.3045



52.3059, 0.3432, 0.3883

Complementary

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



52.3059, 0.2508, 0.2952



42.8768, 0.4057, 0.3598

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.



52.3059, 0.3685, 0.3793



52.3059, 0.2508, 0.2952



52.3059, 0.3702, 0.3306

Square

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



52.3059, 0.2508, 0.2952



52.3059, 0.3121, 0.2846



52.3059, 0.3788, 0.3577



52.3059, 0.3106, 0.3797

Rectangle

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



52.3059, 0.2508, 0.2952



52.3059, 0.2720, 0.2747



52.3059, 0.3788, 0.3577



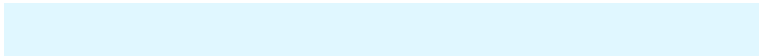
52.3059, 0.3529, 0.3871

Sweetspot

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



52.3079, 0.2508, 0.2952



89.3571, 0.2941, 0.3204



62.4200, 0.2930, 0.4219



18.8927, 0.2921, 0.3194



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.



52.3079, 0.2508, 0.2952



62.7731, 0.2390, 0.2865



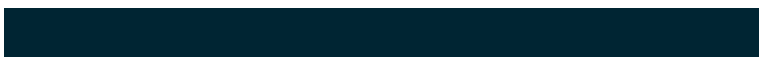
33.9910, 0.2406, 0.2318



15.6252, 0.2981, 0.3223



18.9374, 0.1990, 0.2365



1.5534, 0.2032, 0.2516

Inverse Universe

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



37.3544, 0.3426, 0.2528



41.7170, 0.3514, 0.2374



61.7460, 0.3836, 0.4099



14.5435, 0.3180, 0.3122



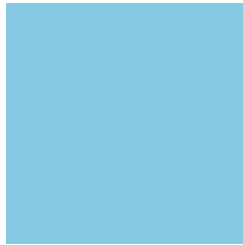
11.1095, 0.4059, 0.2010



0.8365, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 52.3059, 0.2508, 0.2952 looks on a white background.

Color Contrast Check

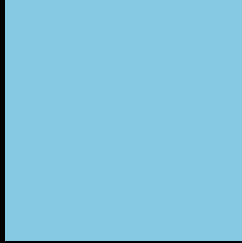
Large Text (above 18pt) WCAG AA × Fail

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 52.3059, 0.2508, 0.2952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

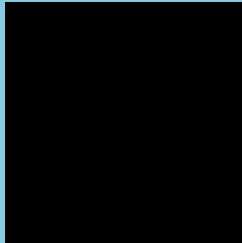
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3059, 0.2508, 0.2952

Background



This preview shows how black text looks on a background with the Yxy color 52.3059, 0.2508, 0.2952.



This preview shows how white text looks on a background with the Yxy color 52.3059, 0.2508, 0.2952.

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

52.3059, 0.2508, 0.2952

Protanopia

51.8240, 0.2878, 0.2925

Deuteranopia

51.6498, 0.2832, 0.2769



Tritanopia

52.1808, 0.2541, 0.3065

Trichromacy



Original Color

52.3059, 0.2508, 0.2952

Protanomaly

51.5208, 0.2726, 0.2927

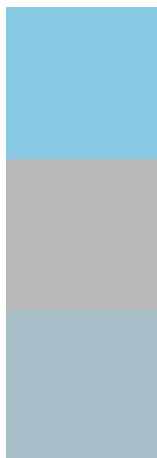
Deuteranomaly

51.3538, 0.2701, 0.2823

Tritanomaly

52.4205, 0.2531, 0.3027

Monochromacy



Original Color

52.3059, 0.2508, 0.2952

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.9964, 0.2860, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3059, 0.2508, 0.2952 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(133, 201, 227)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 227)  
}
```

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(133, 201, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 227) }
```

Border

The CSS property to change the border of an element to Yxy 52.3059, 0.2508, 0.2952 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(133, 201, 227) }
```

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

```
.border{ border-color:rgb(133, 201, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 201, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 201, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 201, 227);  
box-shadow:4px 4px 4px 4px rgb(133, 201,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3059, 0.2508, 0.2952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 227) }
```

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

```
.background{ background-color: rgb(133,  
201, 227) }
```

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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