

Converting Colors

$Y_{xy}(59.0920, 0.2349, 0.2949)$

Have a look what the booklet for
Yxy(59.0920, 0.2349, 0.2949)
contains.

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Color

Yxy(59.2832, 0.2348, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	6BD9F4
RGB	107, 217, 244
RGB Percent	42%, 85%, 96%
CMY	0.5805, 0.1490, 0.0431
CMYK	0.56, 0.11, 0.00, 0.04
HSL	192°, 86%, 69%
HSV	192°, 56%, 96%
XYZ	47.2014, 59.2832, 94.5435
YIQ	187.1880, -74.2270, -14.9230

Conversions

Conversions Part 2

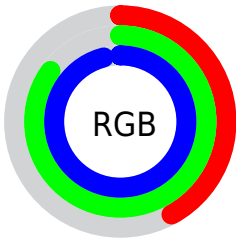
Format	Color
RYB	107, 168, 244
Decimal	7068148
CIELab	81.45, -24.08, -22.79
CIELCh	81, 33.155, 223.427
Yxy	59.2832, 0.2348, 0.2949
Android (android.graphics.Color)	4285258228 (0xFF6BD9F4)
YUV	187.1880, 28.0083, -70.3249
Hunter-Lab	76.9956, -25.3146, -18.9058

Details

The Yxy color **59.2832, 0.2348, 0.2949** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **37.3317, 0.4645, 0.3577**, and the grayscale version is **49.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **29.8116, 0.2166, 0.2850** is the 20% darker color. If you saturate the color by 10%, you get **55.5392, 0.2251, 0.2878**, and if you desaturate by 10%, it is **63.5303, 0.2462, 0.3019**.

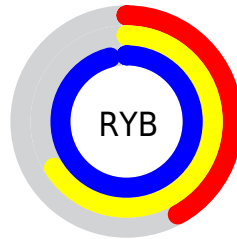
Distribution



Red (42%)

Green (85%)

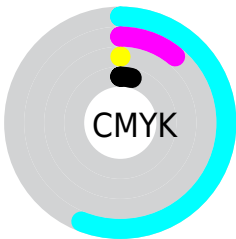
Blue (96%)



Red (42%)

Yellow (66%)

Blue (96%)

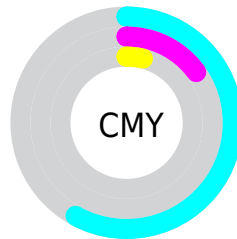


Cyan (56%)

Magenta (11%)

Yellow (0%)

Black (4%)



Cyan (58%)


Magenta (15%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2832, 0.2348, 0.2949 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 59.2832, 0.2348, 0.2949 by changing the saturation by 10% instead.


 59.2832, 0.2348,
0.2949

 59.2832, 0.2348,
0.2949


421.9506, 0.2709,
0.3121


 42.8411, 0.2266,
0.2906


 103.7892, 0.2473,
0.3011

 29.7605, 0.2166,
0.2852


 132.6218, 0.2522,
0.3035

 19.6569, 0.2039,
0.2781


 166.3535, 0.2564,
0.3055

 12.1459, 0.1877,
0.2684

205.3686, 0.2600,
0.3072

 6.8431, 0.1661,
0.2545

250.0514, 0.2633,
0.3087

 3.3642, 0.1367,
0.2335

300.7864, 0.2661,

 1.3247, 0.0930,

0.3100

0.1997

357.9580, 0.2686,
0.3111

0.1602, 0.0000,
0.0738

0.0000, 0.0000,
0.0000

59.2832, 0.2348,
0.2949

59.2832, 0.2348,
0.2949

55.5392, 0.2251,
0.2878

63.5303, 0.2462,
0.3019

52.2542, 0.2174,
0.2805

68.3071, 0.2591,
0.3085

49.3864, 0.2116,
0.2733

73.6458, 0.2731,
0.3148

46.8818, 0.2077,
0.2661

79.5741, 0.2879,
0.3206

■ 45.9848, 0.2065,
0.2634

■ 86.1176, 0.3032,
0.3259

■ 93.3002, 0.3187,
0.3308

■ 96.5689, 0.3194,
0.3354

■ 99.3118, 0.3191,
0.3395

Harmonies

Analogous

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



59.2832, 0.2499, 0.3341



59.2832, 0.2348, 0.2949



59.2832, 0.2387, 0.2689

Triad

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



59.2832, 0.2348, 0.2949



59.2832, 0.3413, 0.2885



59.2832, 0.3635, 0.4043

Complementary

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



59.2832, 0.2348, 0.2949



37.3317, 0.4645, 0.3577

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.



59.2832, 0.3913, 0.3851



59.2832, 0.2348, 0.2949



59.2832, 0.3788, 0.3192

Square

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



59.2832, 0.2348, 0.2949



59.2832, 0.2977, 0.2673



59.2832, 0.3975, 0.3538



59.2832, 0.3231, 0.4018

Rectangle

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



59.2832, 0.2348, 0.2949



59.2832, 0.2516, 0.2610



59.2832, 0.3975, 0.3538



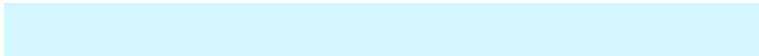
59.2832, 0.3747, 0.3999

Sweetspot

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



59.2854, 0.2348, 0.2949



87.3576, 0.2865, 0.3201



69.4943, 0.2934, 0.4789



18.4067, 0.2835, 0.3190



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.



59.2854, 0.2348, 0.2949



61.0083, 0.2243, 0.2870



31.5821, 0.2154, 0.2039



18.1707, 0.2980, 0.3242



25.1998, 0.2068, 0.2645



2.3530, 0.2093, 0.2735

Inverse Universe

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



34.7509, 0.3458, 0.2182



32.8630, 0.3543, 0.2024



61.8839, 0.4182, 0.4260



16.7091, 0.3168, 0.3102



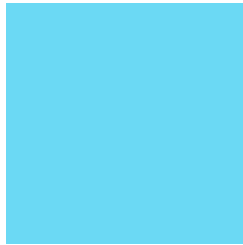
12.6433, 0.3780, 0.1856



1.1252, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 59.2832, 0.2348, 0.2949 looks on a white background.

Color Contrast Check

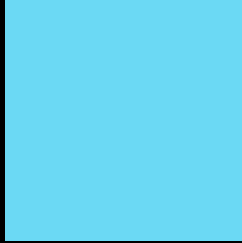
Large Text (above 18pt) WCAG AA × Fail

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 59.2832, 0.2348, 0.2949 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 59.2832, 0.2348, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 59.2832, 0.2348, 0.2949.



This preview shows how white text looks on a background with the Yxy color 59.2832, 0.2348, 0.2949.

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

59.2832, 0.2348, 0.2949

Protanopia

58.2751, 0.2870, 0.2909

Deuteranopia

58.5801, 0.2782, 0.2719



Tritanopia

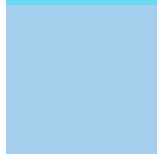
59.1420, 0.2374, 0.3058

Trichromacy



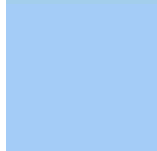
Original Color

59.2832, 0.2348, 0.2949



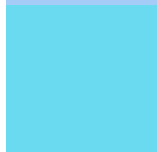
Protanomaly

57.9853, 0.2641, 0.2927



Deuteranomaly

57.7936, 0.2584, 0.2781



Tritanomaly

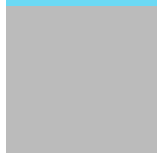
59.3781, 0.2365, 0.3021

Monochromacy



Original Color

59.2832, 0.2348, 0.2949



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

52.2113, 0.2765, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2832, 0.2348, 0.2949 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(107, 217, 244)` looks like.

```
.text, #text, p{  
    color:rgb(107, 217, 244)  
}
```

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(107, 217, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 217, 244) }
```

Border

The CSS property to change the border of an element to Yxy 59.2832, 0.2348, 0.2949 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(107, 217, 244) }
```

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

```
.border{ border-color:rgb(107, 217, 244) }
```

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

Here you see how a box with a 4 pixel rgb(107, 217, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 217, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 217, 244);  
box-shadow:4px 4px 4px 4px rgb(107, 217,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2832, 0.2348, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 217, 244) }
```

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

```
.background{ background-color: rgb(107,  
217, 244) }
```

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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