

Converting Colors

$Yxy(60.2211, 0.2650, 0.2938)$

Have a look what the booklet for
Yxy(60.2211, 0.2650, 0.2938)
contains.

Yxy(59.9399, 0.2647, 0.2932)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.9399, 0.2647, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	A6D1EF
RGB	166, 209, 239
RGB Percent	65%, 82%, 94%
CMY	0.3488, 0.1804, 0.0627
CMYK	0.31, 0.13, 0.00, 0.06
HSL	205°, 70%, 79%
HSV	205°, 31%, 94%
XYZ	54.1135, 59.9399, 90.3800
YIQ	199.5630, -35.2580, 0.2140

Conversions

Conversions Part 2

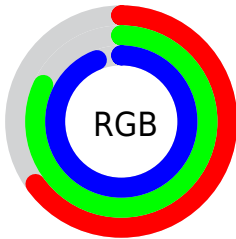
Format	Color
RYB	166, 193, 239
Decimal	10932719
CIELab	81.81, -7.17, -19.33
CIELCh	82, 20.617, 249.650
Yxy	59.9399, 0.2647, 0.2932
Android (android.graphics.Color)	4289122799 (0xFFA6D1EF)
YUV	199.5630, 19.4424, -29.4348
Hunter-Lab	77.4209, -10.7234, -15.0197

Details

The Yxy color **59.9399, 0.2647, 0.2932** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.6120, 0.3719, 0.3621**, and the grayscale version is **57.3774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **30.3063, 0.2531, 0.2846** is the 20% darker color. If you saturate the color by 10%, you get **52.9178, 0.2492, 0.2792**, and if you desaturate by 10%, it is **67.7445, 0.2806, 0.3061**.

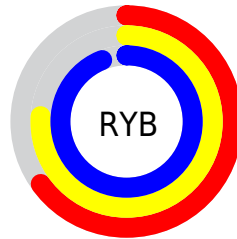
Distribution



Red (65%)

Green (82%)

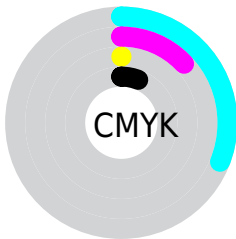
Blue (94%)



Red (65%)

Yellow (76%)

Blue (94%)

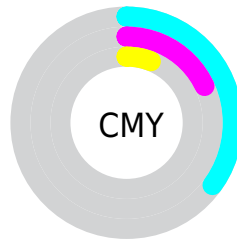


Cyan (31%)

Magenta (13%)

Yellow (0%)

Black (6%)



Cyan (35%)


Magenta (18%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.9399, 0.2647, 0.2932 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 59.9399, 0.2647, 0.2932 by changing the saturation by 10% instead.


 59.9399, 0.2647,
0.2932

 59.9399, 0.2647,
0.2932


424.3762, 0.2873,
0.3104

 43.3702, 0.2595,
0.2891

 104.7425, 0.2726,
0.2993

 30.1757, 0.2530,
0.2840


 133.7441, 0.2757,
0.3017

 19.9720, 0.2447,
0.2774


167.6586, 0.2783,
0.3037

 12.3747, 0.2338,
0.2685

206.8702, 0.2806,
0.3054

 6.9994, 0.2190,
0.2562

251.7634, 0.2826,
0.3069

 3.4617, 0.1976,
0.2379

302.7225, 0.2843,

 1.3773, 0.1646,

0.3082

0.2084

360.1320, 0.2859,
0.3094

0.1999, 0.0078,
0.1041

0.0000, 0.0000,
0.0000

59.9399, 0.2647,
0.2932

59.9399, 0.2647,
0.2932

52.9178, 0.2492,
0.2792

67.7445, 0.2806,
0.3061

46.6391, 0.2343,
0.2643

76.3541, 0.2964,
0.3179

41.0714, 0.2207,
0.2486

85.7991, 0.3119,
0.3285

36.1765, 0.2086,
0.2326

94.8229, 0.3226,
0.3380

■ 31.9113, 0.1985,
0.2164

■ 99.0122, 0.3220,
0.3444

■ 28.2251, 0.1906,
0.2005

■ 25.1910, 0.1850,
0.1860

Harmonies

Analogous

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



59.9399, 0.2638, 0.3114



59.9399, 0.2647, 0.2932



59.9399, 0.2778, 0.2852

Triad

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



59.9399, 0.2647, 0.2932



59.9399, 0.3511, 0.3207



59.9399, 0.3232, 0.3740

Complementary

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



59.9399, 0.2647, 0.2932



60.6120, 0.3719, 0.3621

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.



59.9399, 0.3476, 0.3748



59.9399, 0.2647, 0.2932



59.9399, 0.3643, 0.3430

Square

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



59.9399, 0.2647, 0.2932



59.9399, 0.3274, 0.3011



59.9399, 0.3628, 0.3629



59.9399, 0.2968, 0.3595

Rectangle

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



59.9399, 0.2647, 0.2932



59.9399, 0.2922, 0.2861



59.9399, 0.3628, 0.3629



59.9399, 0.3319, 0.3759

Sweetspot

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



59.9423, 0.2647, 0.2932



90.0282, 0.2987, 0.3195



73.7975, 0.2922, 0.3818



18.9408, 0.2964, 0.3179



0.0000, 0.0000, 0.0000



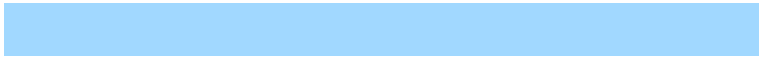
21.4041, 0.3127, 0.3290

Same Dimension

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



59.9423, 0.2647, 0.2932



63.9699, 0.2544, 0.2841



44.3636, 0.2596, 0.2486



16.7754, 0.2980, 0.3190



14.1855, 0.1857, 0.1884



1.3755, 0.1913, 0.2087

Inverse Universe

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



50.2444, 0.3417, 0.2826



51.5953, 0.3501, 0.2723



78.6548, 0.3609, 0.3984



15.9150, 0.3201, 0.3152



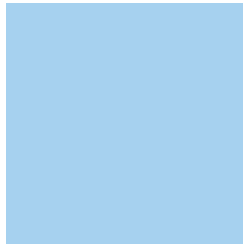
11.2254, 0.4586, 0.2300



0.9536, 0.4355, 0.2173

Previews

White Background



This preview shows how the Yxy color 59.9399, 0.2647, 0.2932 looks on a white background.

Color Contrast Check

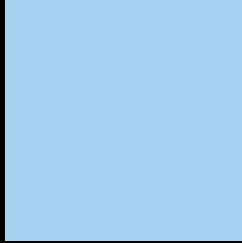
Large Text (above 18pt) WCAG AA × Fail

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 59.9399, 0.2647, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

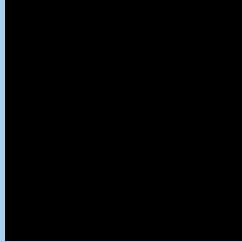
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.9399, 0.2647, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 59.9399, 0.2647, 0.2932.



This preview shows how white text looks on a background with the Yxy color 59.9399, 0.2647, 0.2932.

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

59.9399, 0.2647, 0.2932

Protanopia

59.5841, 0.2872, 0.2912

Deuteranopia

59.5764, 0.2875, 0.2809



Tritanopia

60.0825, 0.2699, 0.3083

Trichromacy



Original Color

59.9399, 0.2647, 0.2932

Protanomaly

59.6810, 0.2786, 0.2918

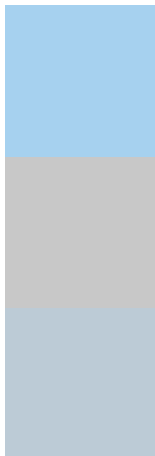
Deuteranomaly

59.4795, 0.2787, 0.2854

Tritanomaly

59.9187, 0.2681, 0.3024

Monochromacy



Original Color

59.9399, 0.2647, 0.2932

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

58.2583, 0.2940, 0.3158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9399, 0.2647, 0.2932 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(166, 209, 239)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 239)  
}
```

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(166, 209, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 239) }
```

Border

The CSS property to change the border of an element to Yxy 59.9399, 0.2647, 0.2932 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(166, 209, 239) }
```

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

```
.border{ border-color:rgb(166, 209, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 209, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 209, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 209, 239);  
box-shadow:4px 4px 4px 4px rgb(166, 209,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9399, 0.2647, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 239) }
```

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

```
.background{ background-color: rgb(166,  
209, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor