

Converting Colors

$Yxy(63.5909, 0.2570, 0.2893)$

Have a look what the booklet for
Yxy(63.5909, 0.2570, 0.2893)
contains.

Yxy(63.5909, 0.2570, 0.2893)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.5909, 0.2570, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	A1D8FA
RGB	161, 216, 250
RGB Percent	63%, 85%, 98%
CMY	0.3690, 0.1528, 0.0197
CMYK	0.36, 0.14, 0.00, 0.02
HSL	203°, 90%, 81%
HSV	203°, 36%, 98%
XYZ	56.4911, 63.5909, 99.7276
YIQ	203.4310, -43.6940, -1.0860

Conversions

Conversions Part 2

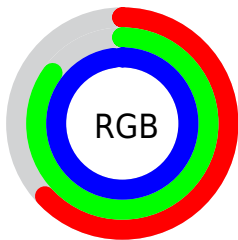
Format	Color
RYB	161, 195, 250
Decimal	10606842
CIELab	83.75, -9.58, -22.24
CIELCh	84, 24.218, 246.701
Yxy	63.5909, 0.2570, 0.2893
Android (android.graphics.Color)	4288796922 (0xFFA1D8FA)
YUV	203.4310, 22.9585, -37.2120
Hunter-Lab	79.7439, -13.1014, -18.3272

Details

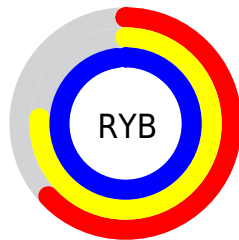
The Yxy color **63.5909, 0.2570, 0.2893** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.8562, 0.3857, 0.3653**, and the grayscale version is **59.8678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **32.4042, 0.2442, 0.2795** is the 20% darker color. If you saturate the color by 10%, you get **56.5101, 0.2421, 0.2759**, and if you desaturate by 10%, it is **71.4789, 0.2725, 0.3018**.

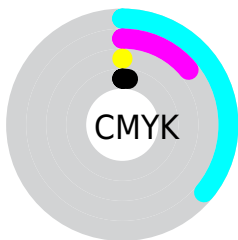
Distribution



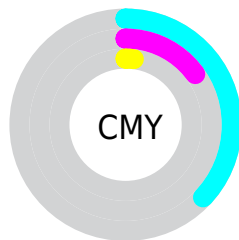
- Red (63%)
- Green (85%)
- Blue (98%)



- Red (63%)
- Yellow (76%)
- Blue (98%)



- Cyan (36%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)




- Cyan (37%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.5909, 0.2570, 0.2893 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 63.5909, 0.2570, 0.2893 by changing the saturation by 10% instead.


 63.5909, 0.2570,
0.2893


 63.5909, 0.2570,
0.2893


437.7108, 0.2828,
0.3083

 46.3194, 0.2511,
0.2848

 110.0216, 0.2660,
0.2960

 32.4979, 0.2439,
0.2793


 139.9495, 0.2694,
0.2986

 21.7421, 0.2347,
0.2722


174.8651, 0.2724,
0.3008

 13.6675, 0.2229,
0.2628

215.1526, 0.2751,
0.3027

 7.8898, 0.2070,
0.2498

261.1966, 0.2774,
0.3043

 4.0245, 0.1847,
0.2309

313.3813, 0.2794,

 1.6873, 0.1518,

0.3058

0.2016

372.0913, 0.2812,
0.3071

0.4154, 0.0536,
0.1382

0.0000, 0.0000,
0.0000

63.5909, 0.2570,
0.2893

63.5909, 0.2570,
0.2893

56.5101, 0.2421,
0.2759

71.4789, 0.2725,
0.3018

50.1931, 0.2282,
0.2617

80.1998, 0.2883,
0.3132

44.6031, 0.2157,
0.2471

89.7871, 0.3040,
0.3236

39.6962, 0.2051,
0.2321

99.1357, 0.3157,
0.3330

■ 35.4217, 0.1966,
0.2172

■ 99.6813, 0.3156,
0.3338

■ 31.7181, 0.1902,
0.2027

■ 30.2439, 0.1879,
0.1965

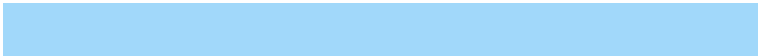
Harmonies

Analogous

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



63.5909, 0.2574, 0.3110



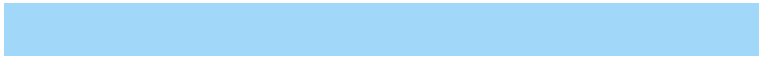
63.5909, 0.2570, 0.2893



63.5909, 0.2706, 0.2792

Triad

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



63.5909, 0.2570, 0.2893



63.5909, 0.3547, 0.3169



63.5909, 0.3276, 0.3820

Complementary

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



63.5909, 0.2570, 0.2893



61.8562, 0.3857, 0.3653

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.



63.5909, 0.3550, 0.3810



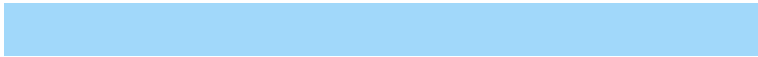
63.5909, 0.2570, 0.2893



63.5909, 0.3714, 0.3423

Square

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



63.5909, 0.2570, 0.2893



63.5909, 0.3265, 0.2953



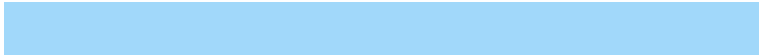
63.5909, 0.3714, 0.3658



63.5909, 0.2972, 0.3667

Rectangle

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



63.5909, 0.2570, 0.2893



63.5909, 0.2863, 0.2795



63.5909, 0.3714, 0.3658



63.5909, 0.3375, 0.3835

Sweetspot

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



63.5934, 0.2570, 0.2893



88.4297, 0.2956, 0.3182



79.8047, 0.2906, 0.3961



18.6391, 0.2935, 0.3167



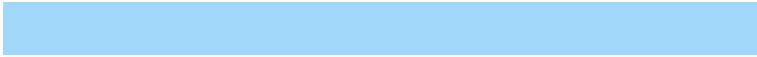
0.0000, 0.0000, 0.0000



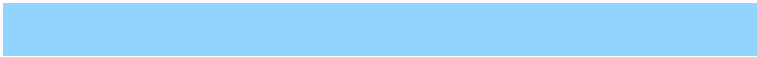
21.4041, 0.3127, 0.3290

Same Dimension

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



63.5934, 0.2570, 0.2893



60.9630, 0.2459, 0.2795



44.2681, 0.2496, 0.2360



18.4321, 0.2980, 0.3197



16.3308, 0.1886, 0.1988



1.7172, 0.1934, 0.2161

Inverse Universe

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



50.7340, 0.3458, 0.2718



46.4324, 0.3553, 0.2600



84.1032, 0.3703, 0.4074



17.4058, 0.3197, 0.3144



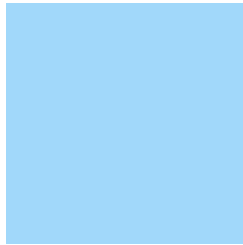
12.0595, 0.4466, 0.2234



1.1376, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 63.5909, 0.2570, 0.2893 looks on a white background.

Color Contrast Check

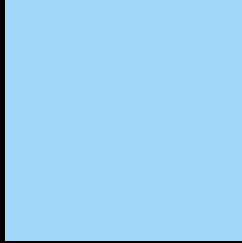
Large Text (above 18pt) WCAG AA × Fail

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 63.5909, 0.2570, 0.2893 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 63.5909, 0.2570, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 63.5909, 0.2570, 0.2893.



This preview shows how white text looks on a background with the Yxy color 63.5909, 0.2570, 0.2893.

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

63.5909, 0.2570, 0.2893

Protanopia

63.0312, 0.2846, 0.2878

Deuteranopia

63.3994, 0.2817, 0.2757



Tritanopia

63.3670, 0.2624, 0.3073

Trichromacy



Original Color

63.5909, 0.2570, 0.2893

Protanomaly

63.1861, 0.2732, 0.2881

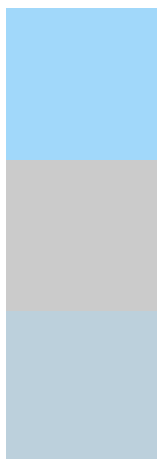
Deuteranomaly

63.0872, 0.2721, 0.2798

Tritanomaly

63.2457, 0.2602, 0.3003

Monochromacy



Original Color

63.5909, 0.2570, 0.2893

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.9704, 0.2902, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5909, 0.2570, 0.2893 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(161, 216, 250)` looks like.

```
.text, #text, p{  
    color:rgb(161, 216, 250)  
}
```

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(161, 216, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 216, 250) }
```

Border

The CSS property to change the border of an element to Yxy 63.5909, 0.2570, 0.2893 is called "border". The border property can be set on classes, ids or directly on the HTML element.

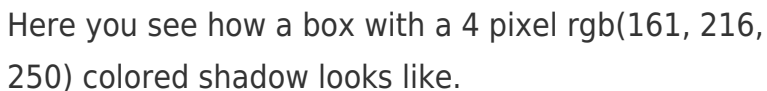
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(161, 216, 250) }
```

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

```
.border{ border-color:rgb(161, 216, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(161, 216, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 216, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 216, 250);  
box-shadow:4px 4px 4px 4px rgb(161, 216,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5909, 0.2570, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 216, 250) }
```

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

```
.background{ background-color: rgb(161,  
216, 250) }
```

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