

Converting Colors

$Y_{xy}(59.2805, 0.2516, 0.2731)$

Have a look what the booklet for
Yxy(59.2805, 0.2516, 0.2731)
contains.

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Color

Yxy(59.1147, 0.2513, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	9ECFFF
RGB	158, 207, 255
RGB Percent	62%, 81%, 100%
CMY	0.3805, 0.1882, 0.0001
CMYK	0.38, 0.19, 0.00, 0.00
HSL	210°, 100%, 81%
HSV	210°, 38%, 100%
XYZ	54.4557, 59.1147, 103.1257
YIQ	197.8210, -44.6120, 4.5400

Conversions

Conversions Part 2

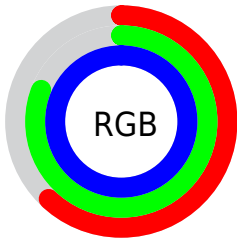
Format	Color
R_{YB}	158, 191, 255
Decimal	10407935
CIE _{Lab}	81.35, -4.35, -28.56
CIE _{LCh}	81, 28.888, 261.331
Yxy	59.1147, 0.2513, 0.2728
Android (android.graphics.Color)	4288598015 (0xFF9ECFFF)
YUV	197.8210, 28.1892, -34.9230
Hunter-Lab	76.8861, -8.1253, -25.7042

Details

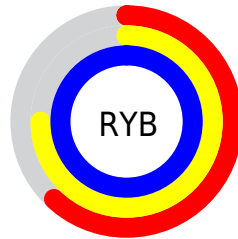
The Yxy color **59.1147, 0.2513, 0.2728** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.8354, 0.3879, 0.3788**, and the grayscale version is **56.2015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **29.6845, 0.2364, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **50.9270, 0.2352, 0.2548**, and if you desaturate by 10%, it is **68.3311, 0.2678, 0.2896**.

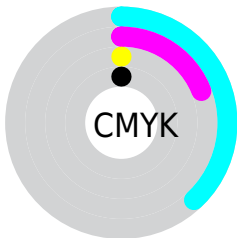
Distribution



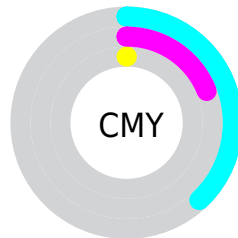
- Red (62%)
- Green (81%)
- Blue (100%)



- Red (62%)
- Yellow (75%)
- Blue (100%)



- Cyan (38%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.1147, 0.2513, 0.2728 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 59.1147, 0.2513, 0.2728 by changing the saturation by 10% instead.


 59.1147, 0.2513,
0.2728


 59.1147, 0.2513,
0.2728


421.3268, 0.2801,
0.2995

 42.7055, 0.2447,
0.2666

 103.5444, 0.2613,
0.2822

 29.6541, 0.2366,
0.2589


 132.3335, 0.2652,
0.2858

 19.5762, 0.2263,
0.2491


166.0182, 0.2685,
0.2889

 12.0873, 0.2129,
0.2363

204.9827, 0.2715,
0.2916

 6.8032, 0.1950,
0.2189

249.6114, 0.2740,
0.2939

 3.3393, 0.1700,
0.1942

300.2887, 0.2763,

 1.3113, 0.1336,

0.2960

0.1574

357.3991, 0.2783,
0.2978

0.1500, 0.0125,
0.0516

0.0000, 0.0000,
0.0000

59.1147, 0.2513,
0.2728

59.1147, 0.2513,
0.2728

50.9270, 0.2352,
0.2548

68.3311, 0.2678,
0.2896

43.7164, 0.2200,
0.2358

78.6109, 0.2842,
0.3050

37.4362, 0.2063,
0.2163

89.9952, 0.3002,
0.3189

32.0320, 0.1945,
0.1968

99.9984, 0.3127,
0.3290

■ 27.4412, 0.1850,
0.1777

■ 23.5825, 0.1780,
0.1598

■ 22.8930, 0.1768,
0.1564

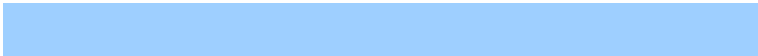
Harmonies

Analogous

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



59.1147, 0.2434, 0.2922



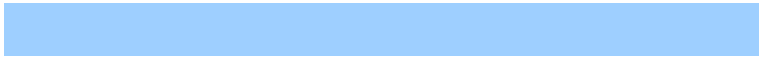
59.1147, 0.2513, 0.2728



59.1147, 0.2748, 0.2685

Triad

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



59.1147, 0.2513, 0.2728



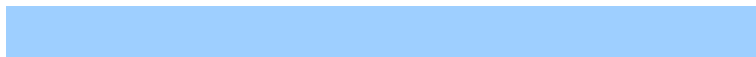
59.1147, 0.3765, 0.3287



59.1147, 0.3122, 0.3877

Complementary

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



59.1147, 0.2513, 0.2728



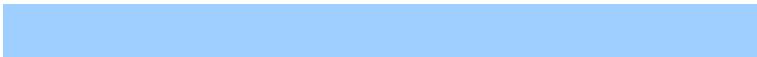
67.8354, 0.3879, 0.3788

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.



59.1147, 0.3488, 0.3960



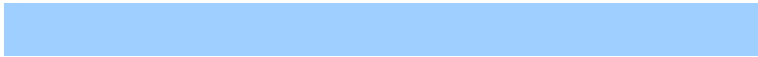
59.1147, 0.2513, 0.2728



59.1147, 0.3873, 0.3591

Square

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



59.1147, 0.2513, 0.2728



59.1147, 0.3474, 0.3000



59.1147, 0.3767, 0.3842



59.1147, 0.2772, 0.3603

Rectangle

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



59.1147, 0.2513, 0.2728



59.1147, 0.2972, 0.2737



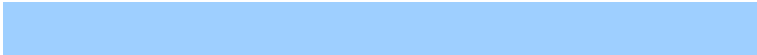
59.1147, 0.3767, 0.3842



59.1147, 0.3247, 0.3928

Sweetspot

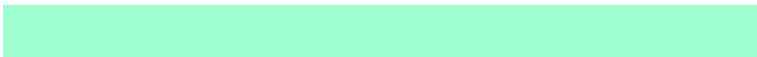
The Sweet Spot groups the original color and five complimentary colors.



59.1170, 0.2513, 0.2728



86.5307, 0.2955, 0.3149



83.1715, 0.2836, 0.3877



18.1863, 0.2934, 0.3131



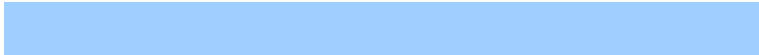
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



59.1170, 0.2513, 0.2728



52.5305, 0.2385, 0.2586



39.4854, 0.2426, 0.2146



18.8957, 0.2979, 0.3169



12.2640, 0.1776, 0.1592



1.4127, 0.1832, 0.1796

Inverse Universe

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



50.2062, 0.3591, 0.2785



43.3822, 0.3732, 0.2682



94.2000, 0.3706, 0.4224



18.1403, 0.3215, 0.3170



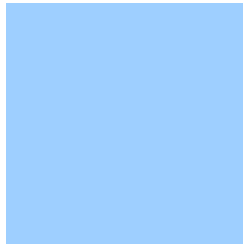
11.9660, 0.4941, 0.2495



1.1872, 0.4690, 0.2357

Previews

White Background



This preview shows how the Yxy color 59.1147, 0.2513, 0.2728 looks on a white background.

Color Contrast Check

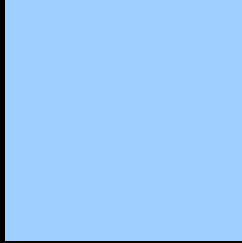
Large Text (above 18pt) WCAG AA × Fail

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 59.1147, 0.2513, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

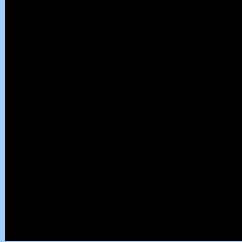
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

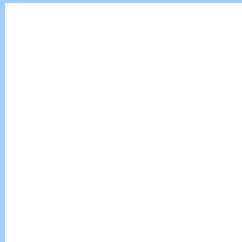
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.1147, 0.2513, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 59.1147, 0.2513, 0.2728.

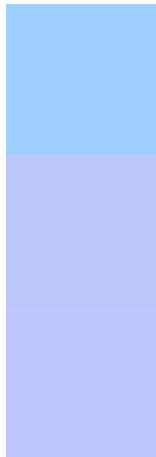


This preview shows how white text looks on a background with the Yxy color 59.1147, 0.2513, 0.2728.

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

59.1147, 0.2513, 0.2728

Protanopia

58.6961, 0.2724, 0.2714

Deuteranopia

58.8146, 0.2707, 0.2654



Tritanopia

59.3234, 0.2618, 0.3079

Trichromacy



Original Color

59.1147, 0.2513, 0.2728

Protanomaly

58.7343, 0.2639, 0.2717

Deuteranomaly

58.6966, 0.2633, 0.2676

Tritanomaly

59.1363, 0.2584, 0.2949

Monochromacy



Original Color

59.1147, 0.2513, 0.2728

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.9550, 0.2870, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1147, 0.2513, 0.2728 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(158, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 207, 255)  
}
```

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(158, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 207, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.1147, 0.2513, 0.2728 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(158, 207, 255) }
```

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

```
.border{ border-color:rgb(158, 207, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 207,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1147, 0.2513, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 207, 255) }
```

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

```
.background{ background-color: rgb(158,  
207, 255) }
```

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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