

Converting Colors

$Y_{xy}(50.8803, 0.2579, 0.2732)$

Have a look what the booklet for
Yxy(50.8803, 0.2579, 0.2732)
contains.

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Color

Yxy(50.9818, 0.2577, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	9DC0ED
RGB	157, 192, 237
RGB Percent	62%, 75%, 93%
CMY	0.3840, 0.2471, 0.0705
CMYK	0.34, 0.19, 0.00, 0.07
HSL	214°, 69%, 77%
HSV	214°, 34%, 93%
XYZ	48.0542, 50.9818, 87.4373
YIQ	186.6650, -35.3050, 6.5750

Conversions

Conversions Part 2

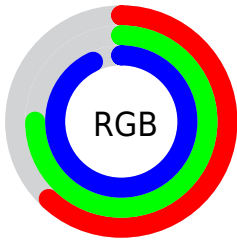
Format	Color
RYB	157, 181, 237
Decimal	10338541
CIELab	76.67, -1.11, -26.13
CIELCh	77, 26.150, 267.569
Yxy	50.9818, 0.2577, 0.2734
Android (android.graphics.Color)	4288528621 (0xFF9DC0ED)
YUV	186.6650, 24.8152, -26.0162
Hunter-Lab	71.4015, -4.8199, -22.6246

Details

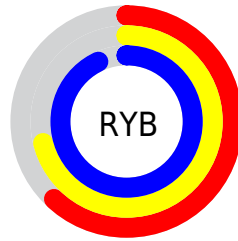
The Yxy color **50.9818, 0.2577, 0.2734** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.7416, 0.3752, 0.3787**, and the grayscale version is **49.3782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5009, 0.2874, 0.3217**, and **24.6850, 0.2436, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **43.2248, 0.2407, 0.2534**, and if you desaturate by 10%, it is **59.7373, 0.2747, 0.2919**.

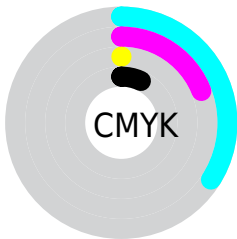
Distribution



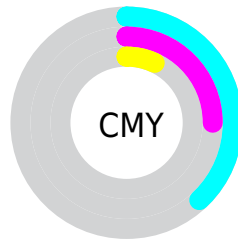
- Red (62%)
- Green (75%)
- Blue (93%)



- Red (62%)
- Yellow (71%)
- Blue (93%)



- Cyan (34%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.9818, 0.2577, 0.2734 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 50.9818, 0.2577, 0.2734 by changing the saturation by 10% instead.

■ 50.9818, 0.2577,
0.2734

■ 50.9818, 0.2577,
0.2734

■ 390.4931, 0.2843,
0.3004

■ 36.1941, 0.2514,
0.2670

■ 91.6279, 0.2671,
0.2830

■ 24.5842, 0.2435,
0.2589

■ 118.2551, 0.2707,
0.2866

■ 15.7675, 0.2333,
0.2485

■ 149.5975, 0.2738,
0.2898

■ 9.3598, 0.2198,
0.2347

■ 186.0397, 0.2765,
0.2925

■ 4.9766, 0.2010,
0.2154

■ 227.9659, 0.2788,
0.2948

■ 2.2335, 0.1737,
0.1871

■ 275.7606, 0.2808,

■ 0.7382, 0.1301,

0.2969

0.1423

329.8082, 0.2827,
0.2987

0.0000, 0.0000,
0.0000

50.9818, 0.2577,
0.2734

50.9818, 0.2577,
0.2734

43.2248, 0.2407,
0.2534

59.7373, 0.2747,
0.2919

36.4196, 0.2242,
0.2321

69.5236, 0.2912,
0.3087

30.5237, 0.2088,
0.2101

80.3787, 0.3070,
0.3238

25.4886, 0.1951,
0.1880

92.3367, 0.3220,
0.3372

21.2596, 0.1837,
0.1664

98.8952, 0.3232,
0.3463

■ 17.7730, 0.1750,
0.1463

■ 15.9103, 0.1707,
0.1346

Harmonies

Analogous

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



50.9818, 0.2468, 0.2891



50.9818, 0.2577, 0.2734



50.9818, 0.2829, 0.2722

Triad

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



50.9818, 0.2577, 0.2734



50.9818, 0.3771, 0.3350



50.9818, 0.3050, 0.3805

Complementary

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



50.9818, 0.2577, 0.2734



62.7416, 0.3752, 0.3787

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.



50.9818, 0.3403, 0.3926



50.9818, 0.2577, 0.2734



50.9818, 0.3832, 0.3635

Square

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



50.9818, 0.2577, 0.2734



50.9818, 0.3525, 0.3066



50.9818, 0.3692, 0.3853



50.9818, 0.2730, 0.3518

Rectangle

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



50.9818, 0.2577, 0.2734



50.9818, 0.3054, 0.2789



50.9818, 0.3692, 0.3853



50.9818, 0.3168, 0.3867

Sweetspot

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



50.9838, 0.2577, 0.2734



86.6537, 0.2971, 0.3145



71.9721, 0.2837, 0.3729



18.1683, 0.2949, 0.3123



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.



50.9838, 0.2577, 0.2734



54.1663, 0.2467, 0.2607



37.8455, 0.2548, 0.2292



15.6309, 0.2980, 0.3154



8.9363, 0.1716, 0.1376



0.8901, 0.1790, 0.1644

Inverse Universe

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



45.9560, 0.3572, 0.2905



48.0981, 0.3693, 0.2830



80.3395, 0.3606, 0.4139



15.1633, 0.3224, 0.3188



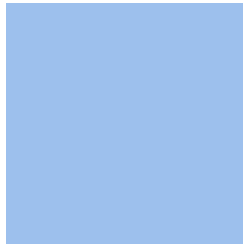
10.3949, 0.5224, 0.2651



0.8353, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 50.9818, 0.2577, 0.2734 looks on a white background.

Color Contrast Check

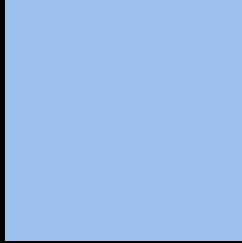
Large Text (above 18pt) WCAG AA × Fail

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 50.9818, 0.2577, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

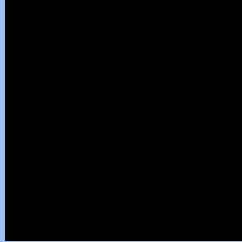
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

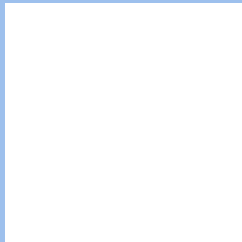
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9818, 0.2577, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 50.9818, 0.2577, 0.2734.



This preview shows how white text looks on a background with the Yxy color 50.9818, 0.2577, 0.2734.

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

50.9818, 0.2577, 0.2734

Protanopia

50.8888, 0.2734, 0.2737

Deuteranopia

50.6947, 0.2722, 0.2662



Tritanopia

50.8126, 0.2691, 0.3080

Trichromacy



Original Color

50.9818, 0.2577, 0.2734

Protanomaly

50.8818, 0.2674, 0.2742

Deuteranomaly

50.9101, 0.2663, 0.2688

Tritanomaly

51.0230, 0.2648, 0.2957

Monochromacy



Original Color

50.9818, 0.2577, 0.2734

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.0331, 0.2907, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9818, 0.2577, 0.2734 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(157, 192, 237)` looks like.

```
.text, #text, p{  
    color:rgb(157, 192, 237)  
}
```

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(157, 192, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 192, 237) }
```

Border

The CSS property to change the border of an element to Yxy 50.9818, 0.2577, 0.2734 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(157, 192, 237) }
```

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

```
.border{ border-color:rgb(157, 192, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 192, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 192, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 192, 237);  
box-shadow:4px 4px 4px 4px rgb(157, 192,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9818, 0.2577, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 192, 237) }
```

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

```
.background{ background-color: rgb(157,  
192, 237) }
```

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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