

Converting Colors

$Y_{xy}(52.1132, 0.2569, 0.2771)$

Have a look what the booklet for
Yxy(52.1132, 0.2569, 0.2771)
contains.

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Color

Yxy(52.1132, 0.2569, 0.2771)

Conversions

Conversions Part 1

Format	Color
Hex	9BC3ED
RGB	155, 195, 237
RGB Percent	61%, 76%, 93%
CMY	0.3923, 0.2353, 0.0706
CMYK	0.35, 0.18, 0.00, 0.07
HSL	211°, 70%, 77%
HSV	211°, 35%, 93%
XYZ	48.3143, 52.1132, 87.6389
YIQ	187.8280, -37.3220, 4.5820

Conversions

Conversions Part 2

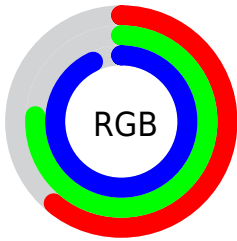
Format	Color
R _{YB}	155, 182, 237
Decimal	10208237
CIE Lab	77.35, -3.32, -25.10
CIE LCh	77, 25.315, 262.453
Yxy	52.1132, 0.2569, 0.2771
Android (android.graphics.Color)	4288398317 (0xFF9BC3ED)
YUV	187.8280, 24.2418, -28.7902
Hunter-Lab	72.1895, -6.8669, -21.4462

Details

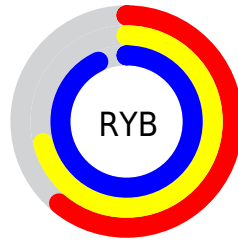
The Yxy color **52.1132, 0.2569, 0.2771** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.2875, 0.3788, 0.3756**, and the grayscale version is **50.0603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0632, 0.2864, 0.3248**, and **25.1527, 0.2427, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **44.7782, 0.2405, 0.2589**, and if you desaturate by 10%, it is **60.3542, 0.2735, 0.2940**.

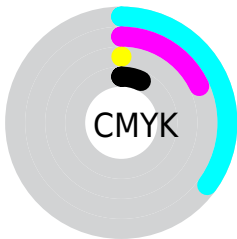
Distribution



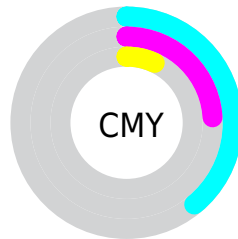
- Red (61%)
- Green (76%)
- Blue (93%)



- Red (61%)
- Yellow (71%)
- Blue (93%)



- Cyan (35%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (39%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1132, 0.2569, 0.2771 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 52.1132, 0.2569, 0.2771 by changing the saturation by 10% instead.

■ 52.1132, 0.2569,
0.2771

■ 52.1132, 0.2569,
0.2771

394.8735, 0.2837,
0.3023

■ 37.0953, 0.2506,
0.2711

■ 93.2982, 0.2664,
0.2861

■ 25.2813, 0.2426,
0.2635

■ 120.2340, 0.2700,
0.2895

■ 16.2868, 0.2325,
0.2537

151.9113, 0.2731,
0.2924

■ 9.7273, 0.2190,
0.2407

188.7145, 0.2758,
0.2949

■ 5.2185, 0.2003,
0.2224

231.0279, 0.2782,
0.2971

■ 2.3760, 0.1733,
0.1956

279.2359, 0.2803,

■ 0.8135, 0.1305,

0.2991

0.1534

333.7230, 0.2821,
0.3008

0.0000, 0.0000,
0.0000

52.1132, 0.2569,
0.2771

52.1132, 0.2569,
0.2771

44.7782, 0.2405,
0.2589

60.3542, 0.2735,
0.2940

38.3057, 0.2248,
0.2396

69.5300, 0.2898,
0.3093

32.6569, 0.2102,
0.2196

79.6755, 0.3056,
0.3231

27.7870, 0.1975,
0.1994

90.8218, 0.3208,
0.3355

23.6450, 0.1869,
0.1796

98.8949, 0.3232,
0.3464

■ 20.1708, 0.1789,
0.1608

■ 18.5329, 0.1753,
0.1512

Harmonies

Analogous

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



52.1132, 0.2490, 0.2946



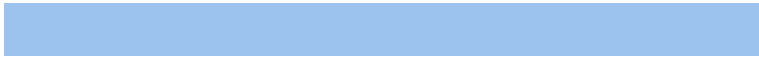
52.1132, 0.2569, 0.2771



52.1132, 0.2791, 0.2735

Triad

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



52.1132, 0.2569, 0.2771



52.1132, 0.3716, 0.3300



52.1132, 0.3112, 0.3817

Complementary

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



52.1132, 0.2569, 0.2771



60.2875, 0.3788, 0.3756

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.



52.1132, 0.3447, 0.3901



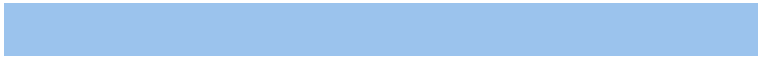
52.1132, 0.2569, 0.2771



52.1132, 0.3808, 0.3579

Square

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



52.1132, 0.2569, 0.2771



52.1132, 0.3456, 0.3033



52.1132, 0.3706, 0.3804



52.1132, 0.2792, 0.3564

Rectangle

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



52.1132, 0.2569, 0.2771



52.1132, 0.2999, 0.2785



52.1132, 0.3706, 0.3804



52.1132, 0.3226, 0.3866

Sweetspot

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



52.1152, 0.2569, 0.2771



87.4328, 0.2971, 0.3158



71.5236, 0.2852, 0.3795



18.3565, 0.2949, 0.3138



0.0000, 0.0000, 0.0000



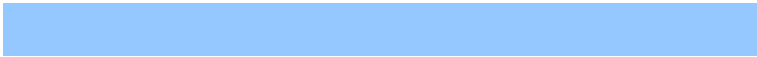
21.4041, 0.3127, 0.3290

Same Dimension

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



52.1152, 0.2569, 0.2771



54.8964, 0.2445, 0.2635



36.5115, 0.2500, 0.2253



15.7628, 0.2981, 0.3166



10.3786, 0.1761, 0.1541



1.0070, 0.1832, 0.1795

Inverse Universe

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



45.3780, 0.3547, 0.2849



46.5868, 0.3677, 0.2752



80.9449, 0.3649, 0.4152



15.1766, 0.3216, 0.3176



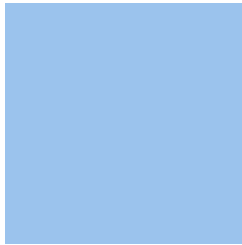
10.5405, 0.5007, 0.2532



0.8471, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 52.1132, 0.2569, 0.2771 looks on a white background.

Color Contrast Check

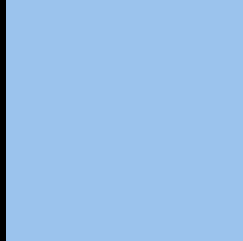
Large Text (above 18pt) WCAG AA × Fail

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 52.1132, 0.2569, 0.2771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

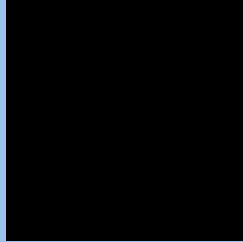
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

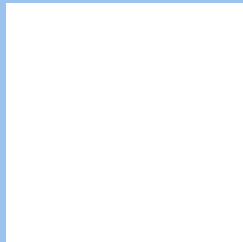
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.1132, 0.2569, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 52.1132, 0.2569, 0.2771.



This preview shows how white text looks on a background with the Yxy color 52.1132, 0.2569, 0.2771.

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

52.1132, 0.2569, 0.2771

Protanopia

52.1021, 0.2757, 0.2764

Deuteranopia

51.9630, 0.2738, 0.2679



Tritanopia

52.2372, 0.2671, 0.3082

Trichromacy



Original Color

52.1132, 0.2569, 0.2771

Protanomaly

51.9728, 0.2690, 0.2769

Deuteranomaly

51.8842, 0.2672, 0.2714

Tritanomaly

52.3913, 0.2635, 0.2971

Monochromacy



Original Color

52.1132, 0.2569, 0.2771

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.9479, 0.2901, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1132, 0.2569, 0.2771 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(155, 195, 237)` looks like.

```
.text, #text, p{  
    color:rgb(155, 195, 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(155, 195, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 195, 237) }
```

Border

The CSS property to change the border of an element to Yxy 52.1132, 0.2569, 0.2771 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(155, 195, 237) }
```

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

```
.border{ border-color:rgb(155, 195, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 195, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 195, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 195, 237); box-shadow:4px 4px 4px 4px rgb(155, 195, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1132, 0.2569, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 195, 237) }
```

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

```
.background{ background-color: rgb(155,  
195, 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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