

Converting Colors

$Yxy(67.7707, 0.2540, 0.2992)$

Have a look what the booklet for
Yxy(67.7707, 0.2540, 0.2992)
contains.

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Color

Yxy(67.5878, 0.2539, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	99E1FB
RGB	153, 225, 251
RGB Percent	60%, 88%, 98%
CMY	0.4001, 0.1176, 0.0156
CMYK	0.39, 0.10, 0.00, 0.02
HSL	196°, 92%, 79%
HSV	196°, 39%, 98%
XYZ	57.4700, 67.5878, 101.2912
YIQ	206.4360, -51.2580, -7.1780

Conversions

Conversions Part 2

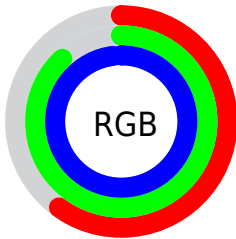
Format	Color
RYB	153, 195, 251
Decimal	10084859
CIELab	85.80, -15.99, -19.72
CIELCh	86, 25.390, 230.966
Yxy	67.5878, 0.2539, 0.2986
Android (android.graphics.Color)	4288274939 (0xFF99E1FB)
YUV	206.4360, 21.9701, -46.8634
Hunter-Lab	82.2118, -19.0906, -15.5015

Details

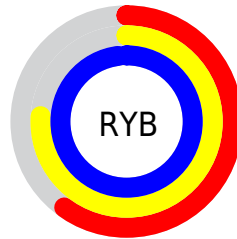
The Yxy color **67.5878, 0.2539, 0.2986** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.0352, 0.3998, 0.3570**, and the grayscale version is **61.8932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **35.1859, 0.2410, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **61.8709, 0.2406, 0.2893**, and if you desaturate by 10%, it is **73.9640, 0.2682, 0.3073**.

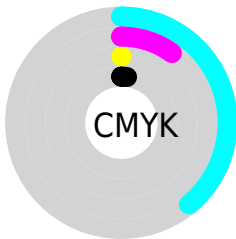
Distribution



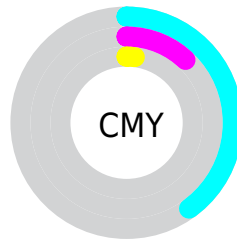
- Red (60%)
- Green (88%)
- Blue (98%)



- Red (60%)
- Yellow (76%)
- Blue (98%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)




- Cyan (40%)
- Magenta (12%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5878, 0.2539, 0.2986 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 67.5878, 0.2539, 0.2986 by changing the saturation by 10% instead.


 67.5878, 0.2539,
0.2986


 67.5878, 0.2539,
0.2986


452.0342, 0.2808,
0.3133

 49.5625, 0.2478,
0.2951


 115.7623, 0.2632,
0.3038

 35.0659, 0.2404,
0.2907


 146.6802, 0.2668,
0.3058

 23.7136, 0.2311,
0.2851


182.6644, 0.2699,
0.3075

 15.1213, 0.2192,
0.2777

224.0994, 0.2727,
0.3090

 8.9046, 0.2033,
0.2673

271.3694, 0.2751,
0.3103

 4.6790, 0.1812,
0.2520

324.8590, 0.2772,

 2.0602, 0.1492,

0.3114

0.2277

384.9524, 0.2791,
0.3124

0.6421, 0.0642,
0.1875

0.0000, 0.0000,
0.0000

67.5878, 0.2539,
0.2986

67.5878, 0.2539,
0.2986

61.8709, 0.2406,
0.2893

73.9640, 0.2682,
0.3073

56.7712, 0.2288,
0.2797

81.0226, 0.2833,
0.3154

52.2536, 0.2187,
0.2697

88.7954, 0.2987,
0.3229

48.2752, 0.2105,
0.2596

97.3093, 0.3142,
0.3296

■ 44.7854, 0.2043,
0.2496

■ 99.7457, 0.3150,
0.3328

■ 41.7093, 0.2000,
0.2397

■ 41.4331, 0.1997,
0.2388

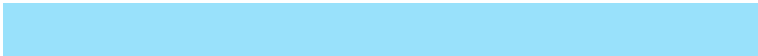
Harmonies

Analogous

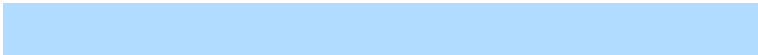
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.5878, 0.2620, 0.3256



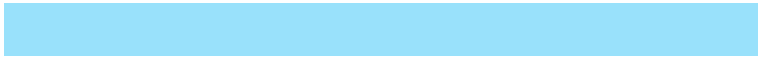
67.5878, 0.2539, 0.2986



67.5878, 0.2605, 0.2817

Triad

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



67.5878, 0.2539, 0.2986



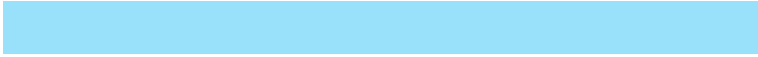
67.5878, 0.3416, 0.3042



67.5878, 0.3437, 0.3850

Complementary

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



67.5878, 0.2539, 0.2986



55.0352, 0.3998, 0.3570

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.



67.5878, 0.3668, 0.3756



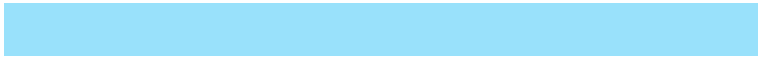
67.5878, 0.2539, 0.2986



67.5878, 0.3660, 0.3288

Square

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



67.5878, 0.2539, 0.2986



67.5878, 0.3100, 0.2858



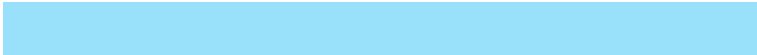
67.5878, 0.3753, 0.3546



67.5878, 0.3130, 0.3780

Rectangle

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



67.5878, 0.2539, 0.2986



67.5878, 0.2725, 0.2775



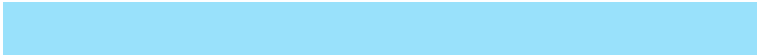
67.5878, 0.3753, 0.3546



67.5878, 0.3527, 0.3836

Sweetspot

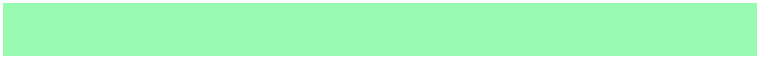
The Sweet Spot groups the original color and five complimentary colors.



67.5904, 0.2539, 0.2986



89.5828, 0.2941, 0.3207



78.9630, 0.2947, 0.4184



18.9460, 0.2921, 0.3198



0.0000, 0.0000, 0.0000



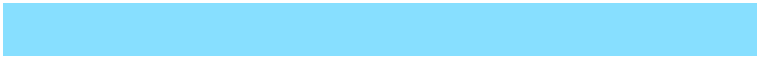
21.4041, 0.3127, 0.3290

Same Dimension

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



67.5904, 0.2539, 0.2986



65.2755, 0.2432, 0.2913



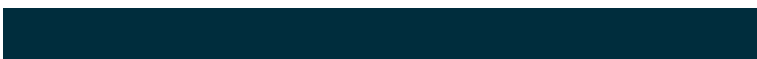
45.3665, 0.2449, 0.2396



18.7840, 0.2980, 0.3226



22.0283, 0.2001, 0.2404



2.2136, 0.2034, 0.2523

Inverse Universe

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



48.7182, 0.3396, 0.2555



43.9693, 0.3470, 0.2411



77.4742, 0.3804, 0.4044



17.4414, 0.3179, 0.3117



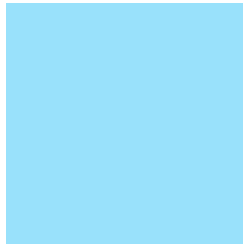
12.6347, 0.4019, 0.1988



1.1877, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 67.5878, 0.2539, 0.2986 looks on a white background.

Color Contrast Check

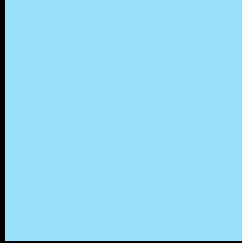
Large Text (above 18pt) WCAG AA × Fail

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 67.5878, 0.2539, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

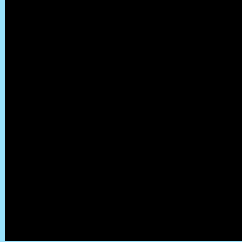
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5878, 0.2539, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 67.5878, 0.2539, 0.2986.

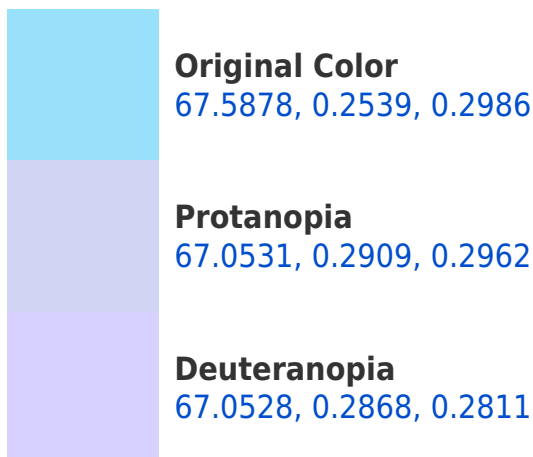


This preview shows how white text looks on a background with the Yxy color 67.5878, 0.2539, 0.2986.

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

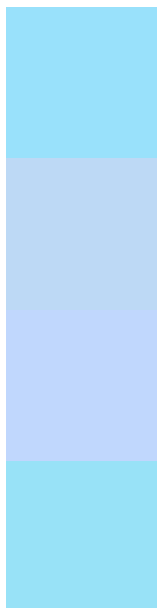




Tritanopia

67.5037, 0.2565, 0.3076

Trichromacy



Original Color

67.5878, 0.2539, 0.2986

Protanomaly

67.0371, 0.2764, 0.2975

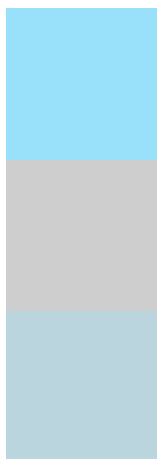
Deuteranomaly

66.8992, 0.2735, 0.2869

Tritanomaly

67.7835, 0.2555, 0.3042

Monochromacy



Original Color

67.5878, 0.2539, 0.2986

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.4272, 0.2885, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5878, 0.2539, 0.2986 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(153, 225, 251)` looks like.

```
.text, #text, p{  
    color:rgb(153, 225, 251)  
}
```

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(153, 225, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 225, 251) }
```

Border

The CSS property to change the border of an element to Yxy 67.5878, 0.2539, 0.2986 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(153, 225, 251) }
```

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

```
.border{ border-color:rgb(153, 225, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 225, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 225, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 225, 251);  
box-shadow:4px 4px 4px 4px rgb(153, 225,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5878, 0.2539, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 225, 251) }
```

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

```
.background{ background-color: rgb(153,  
225, 251) }
```

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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