

Converting Colors

$Y_{xy}(68.0071, 0.2521, 0.2946)$

Have a look what the booklet for
Yxy(68.0071, 0.2521, 0.2946)
contains.

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Color

Yxy(67.8427, 0.2520, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	99E1FF
RGB	153, 225, 255
RGB Percent	60%, 88%, 100%
CMY	0.4000, 0.1176, 0.0000
CMYK	0.40, 0.12, 0.00, 0.00
HSL	198°, 100%, 80%
HSV	198°, 40%, 100%
XYZ	58.1114, 67.8427, 104.6466
YIQ	206.8920, -52.5420, -5.9340

Conversions

Conversions Part 2

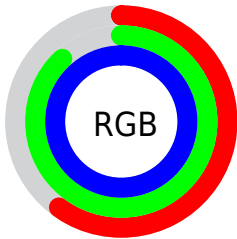
Format	Color
R _Y B	153, 195, 255
Decimal	10084863
CIE Lab	85.93, -14.97, -21.63
CIE LCh	86, 26.311, 235.311
Yxy	67.8427, 0.2520, 0.2942
Android (android.graphics.Color)	4288274943 (0xFF99E1FF)
YUV	206.8920, 23.7172, -47.2633
Hunter-Lab	82.3667, -18.2063, -17.6710

Details

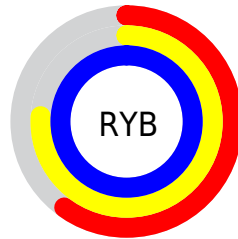
The Yxy color **67.8427, 0.2520, 0.2942** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **57.4213, 0.4015, 0.3607**, and the grayscale version is **62.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **35.3135, 0.2382, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **61.6574, 0.2385, 0.2838**, and if you desaturate by 10%, it is **74.7403, 0.2665, 0.3040**.

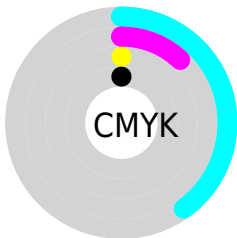
Distribution



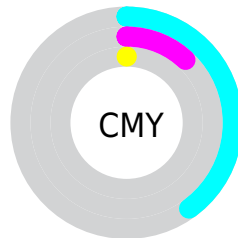
- Red (60%)
- Green (88%)
- Blue (100%)



- Red (60%)
- Yellow (76%)
- Blue (100%)



- Cyan (40%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.8427, 0.2520, 0.2942 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 67.8427, 0.2520, 0.2942 by changing the saturation by 10% instead.


 67.8427, 0.2520,
0.2942


 67.8427, 0.2520,
0.2942


452.9385, 0.2797,
0.3109

 49.7698, 0.2458,
0.2903


 116.1271, 0.2615,
0.3001

 35.2305, 0.2382,
0.2854

 147.1073, 0.2653,
0.3024

 23.8405, 0.2287,
0.2791


183.1588, 0.2685,
0.3043

 15.2153, 0.2164,
0.2708

224.6659, 0.2713,
0.3060

 8.9707, 0.2002,
0.2593

272.0130, 0.2738,
0.3074

 4.7220, 0.1779,
0.2426

325.5846, 0.2760,

 2.0851, 0.1457,

0.3087

0.2166

385.7649, 0.2780,
0.3099

0.6562, 0.0684,
0.1739

0.0000, 0.0000,
0.0000

67.8427, 0.2520,
0.2942

67.8427, 0.2520,
0.2942

61.6574, 0.2385,
0.2838

74.7403, 0.2665,
0.3040

56.1419, 0.2264,
0.2729

82.3773, 0.2817,
0.3131

51.2578, 0.2160,
0.2617

90.7866, 0.2972,
0.3215

46.9594, 0.2076,
0.2504

99.9970, 0.3127,
0.3290

■ 43.1923, 0.2013,
0.2392

100.0000, 0.3127,
0.3290

■ 39.8700, 0.1967,
0.2282

Harmonies

Analogous

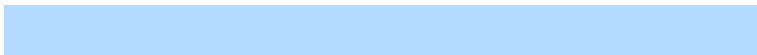
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8427, 0.2581, 0.3209



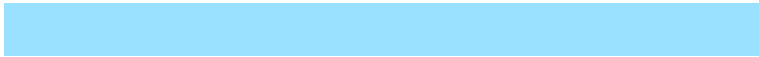
67.8427, 0.2520, 0.2942



67.8427, 0.2609, 0.2786

Triad

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



67.8427, 0.2520, 0.2942



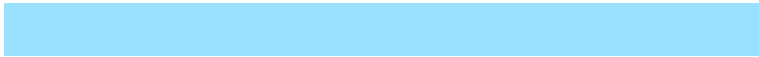
67.8427, 0.3469, 0.3067



67.8427, 0.3404, 0.3871

Complementary

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



67.8427, 0.2520, 0.2942



57.4213, 0.4015, 0.3607

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.



67.8427, 0.3660, 0.3795



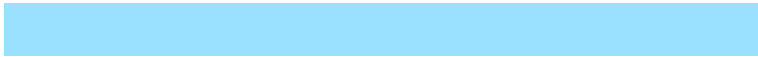
67.8427, 0.2520, 0.2942



67.8427, 0.3704, 0.3326

Square

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



67.8427, 0.2520, 0.2942



67.8427, 0.3146, 0.2866



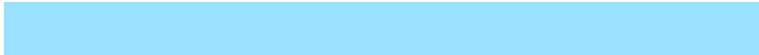
67.8427, 0.3774, 0.3590



67.8427, 0.3082, 0.3773

Rectangle

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



67.8427, 0.2520, 0.2942



67.8427, 0.2746, 0.2756



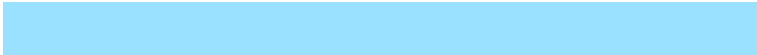
67.8427, 0.3774, 0.3590



67.8427, 0.3501, 0.3864

Sweetspot

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



67.8447, 0.2520, 0.2942



89.0442, 0.2941, 0.3198



81.6646, 0.2926, 0.4168



18.8188, 0.2921, 0.3188



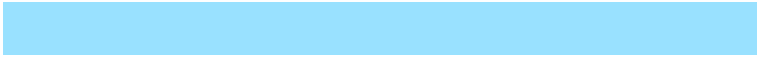
0.0000, 0.0000, 0.0000



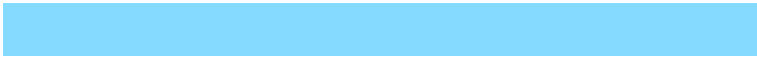
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8447, 0.2520, 0.2942



62.8417, 0.2411, 0.2859



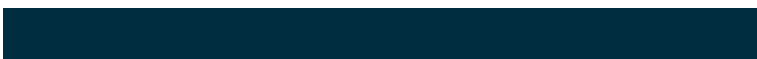
44.6880, 0.2424, 0.2327



19.5262, 0.2980, 0.3218



21.1044, 0.1972, 0.2300



2.2445, 0.2007, 0.2426

Inverse Universe

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



49.4764, 0.3431, 0.2564



43.0407, 0.3514, 0.2426



81.7799, 0.3809, 0.4093



18.2040, 0.3183, 0.3124



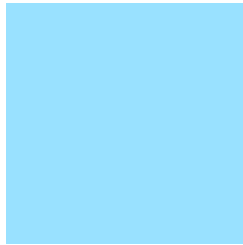
12.8585, 0.4126, 0.2047



1.2711, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 67.8427, 0.2520, 0.2942 looks on a white background.

Color Contrast Check

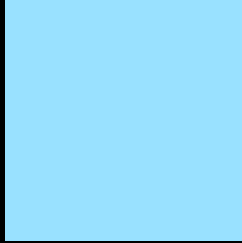
Large Text (above 18pt) WCAG AA × Fail

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 67.8427, 0.2520, 0.2942 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 67.8427, 0.2520, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 67.8427, 0.2520, 0.2942.

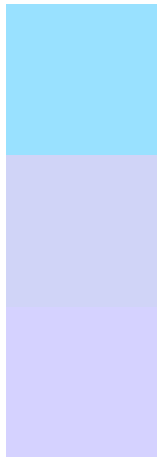


This preview shows how white text looks on a background with the Yxy color 67.8427, 0.2520, 0.2942.

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

67.8427, 0.2520, 0.2942

Protanopia

67.2123, 0.2872, 0.2909

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.0148, 0.2557, 0.3077

Trichromacy



Original Color

67.8427, 0.2520, 0.2942

Protanomaly

67.2192, 0.2729, 0.2921

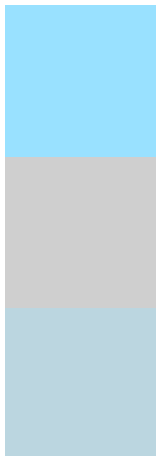
Deuteranomaly

66.8972, 0.2718, 0.2848

Tritanomaly

67.8116, 0.2541, 0.3020

Monochromacy



Original Color

67.8427, 0.2520, 0.2942

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.0397, 0.2873, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8427, 0.2520, 0.2942 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 225, 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(153, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.8427, 0.2520, 0.2942 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, 255) }
```

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

```
.border{ border-color:rgb(153, 225, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8427, 0.2520, 0.2942 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, 255) }
```

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

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