

Converting Colors

$Y_{xy}(68.3759, 0.2513, 0.2951)$

Have a look what the booklet for
Yxy(68.3759, 0.2513, 0.2951)
contains.

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Color

Yxy(68.2881, 0.2517, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	98E2FF
RGB	152, 226, 255
RGB Percent	60%, 89%, 100%
CMY	0.4041, 0.1137, 0.0001
CMYK	0.40, 0.11, 0.00, 0.00
HSL	197°, 100%, 80%
HSV	197°, 40%, 100%
XYZ	58.1859, 68.2881, 104.6976
YIQ	207.1800, -53.4130, -6.6690

Conversions

Conversions Part 2

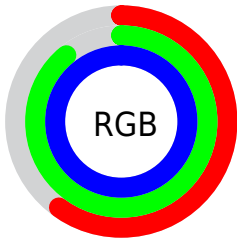
Format	Color
R _Y B	152, 195, 255
Decimal	10019583
CIE Lab	86.15, -15.75, -21.28
CIE LCh	86, 26.478, 233.493
Yxy	68.2881, 0.2517, 0.2954
Android (android.graphics.Color)	4288209663 (0xFF98E2FF)
YUV	207.1800, 23.5753, -48.3929
Hunter-Lab	82.6366, -18.9291, -17.2727

Details

The Yxy color **68.2881, 0.2517, 0.2954** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **56.5367, 0.4033, 0.3596**, and the grayscale version is **62.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **35.6359, 0.2380, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **62.2724, 0.2384, 0.2855**, and if you desaturate by 10%, it is **75.0007, 0.2661, 0.3048**.

Distribution



- Red (60%)
- Green (89%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2881, 0.2517, 0.2954 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 68.2881, 0.2517, 0.2954 by changing the saturation by 10% instead.


 68.2881, 0.2517,
0.2954


 68.2881, 0.2517,
0.2954

454.5161, 0.2795,
0.3116

 50.1322, 0.2455,
0.2916

 116.7642, 0.2613,
0.3011

 35.5184, 0.2378,
0.2868


 147.8531, 0.2650,
0.3033

 24.0625, 0.2283,
0.2807


184.0219, 0.2683,
0.3052

 15.3800, 0.2161,
0.2727

225.6548, 0.2711,
0.3068

 9.0865, 0.1999,
0.2615

273.1362, 0.2736,
0.3082

 4.7976, 0.1776,
0.2453

326.8507, 0.2758,

 2.1290, 0.1455,

0.3095

0.2199

387.1825, 0.2778,
0.3106

0.6809, 0.0690,
0.1789

0.0000, 0.0000,
0.0000

68.2881, 0.2517,
0.2954

68.2881, 0.2517,
0.2954

62.2724, 0.2384,
0.2855

75.0007, 0.2661,
0.3048

56.9097, 0.2266,
0.2751

82.4355, 0.2811,
0.3135

52.1622, 0.2165,
0.2644

90.6257, 0.2966,
0.3215

47.9841, 0.2083,
0.2537

99.6000, 0.3121,
0.3287

■ 44.3211, 0.2022,
0.2430

99.9982, 0.3127,
0.3290

■ 41.2065, 0.1980,
0.2329

Harmonies

Analogous

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



68.2881, 0.2588, 0.3228



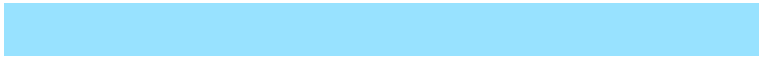
68.2881, 0.2517, 0.2954



68.2881, 0.2598, 0.2790

Triad

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



68.2881, 0.2517, 0.2954



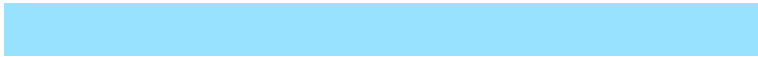
68.2881, 0.3452, 0.3052



68.2881, 0.3423, 0.3874

Complementary

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



68.2881, 0.2517, 0.2954



56.5367, 0.4033, 0.3596

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.



68.2881, 0.3674, 0.3788



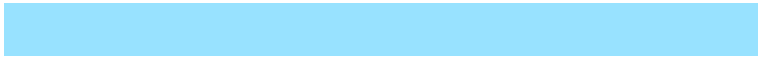
68.2881, 0.2517, 0.2954



68.2881, 0.3696, 0.3310

Square

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



68.2881, 0.2517, 0.2954



68.2881, 0.3126, 0.2855



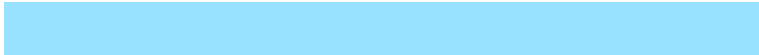
68.2881, 0.3777, 0.3576



68.2881, 0.3102, 0.3786

Rectangle

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



68.2881, 0.2517, 0.2954



68.2881, 0.2730, 0.2754



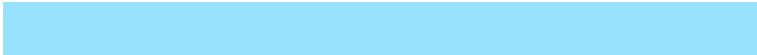
68.2881, 0.3777, 0.3576



68.2881, 0.3519, 0.3863

Sweetspot

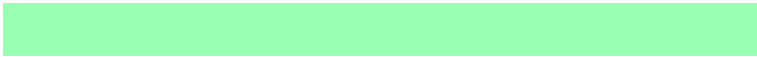
The Sweet Spot groups the original color and five complimentary colors.



68.2907, 0.2517, 0.2954



89.2850, 0.2941, 0.3203



81.4467, 0.2933, 0.4200



18.8757, 0.2921, 0.3192



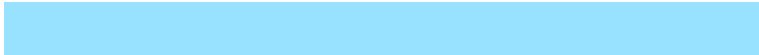
0.0000, 0.0000, 0.0000



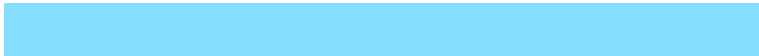
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2907, 0.2517, 0.2954



63.6710, 0.2415, 0.2879



44.9406, 0.2419, 0.2337



19.5675, 0.2980, 0.3222



21.8022, 0.1985, 0.2346



2.3079, 0.2019, 0.2467

Inverse Universe

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



49.1914, 0.3423, 0.2544



43.1244, 0.3499, 0.2411



80.6373, 0.3823, 0.4086



18.2081, 0.3181, 0.3121



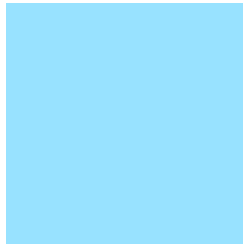
12.9289, 0.4078, 0.2020



1.2775, 0.3955, 0.1953

Previews

White Background



This preview shows how the Yxy color 68.2881, 0.2517, 0.2954 looks on a white background.

Color Contrast Check

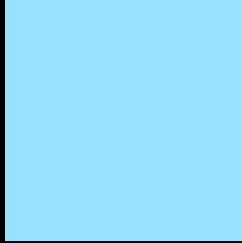
Large Text (above 18pt) WCAG AA × Fail

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 68.2881, 0.2517, 0.2954 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 68.2881, 0.2517, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 68.2881, 0.2517, 0.2954.



This preview shows how white text looks on a background with the Yxy color 68.2881, 0.2517, 0.2954.

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

68.2881, 0.2517, 0.2954

Protanopia

67.7976, 0.2885, 0.2931

Deuteranopia

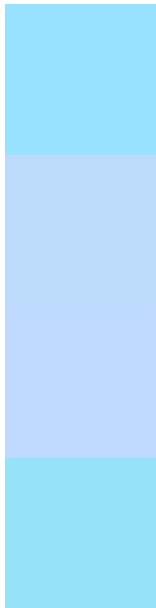
67.6093, 0.2862, 0.2812



Tritanopia

68.5302, 0.2549, 0.3077

Trichromacy



Original Color

68.2881, 0.2517, 0.2954

Protanomaly

67.6737, 0.2736, 0.2943

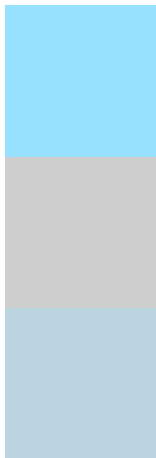
Deuteranomaly

67.4081, 0.2719, 0.2859

Tritanomaly

68.2618, 0.2538, 0.3031

Monochromacy



Original Color

68.2881, 0.2517, 0.2954

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 68.2881, 0.2517, 0.2954 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(152, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 226, 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(152, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.2881, 0.2517, 0.2954 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(152, 226, 255) }
```

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

```
.border{ border-color:rgb(152, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 226, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 226, 255); box-shadow:4px 4px 4px 4px rgb(152, 226, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2881, 0.2517, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 226, 255) }
```

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

```
.background{ background-color: rgb(152,  
226, 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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