

Converting Colors

$Yxy(67.8288, 0.2454, 0.2966)$

Have a look what the booklet for
Yxy(67.8288, 0.2454, 0.2966)
contains.

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Color

Yxy(68.1101, 0.2456, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	8AE4FF
RGB	138, 228, 255
RGB Percent	54%, 89%, 100%
CMY	0.4584, 0.1059, 0.0000
CMYK	0.46, 0.11, 0.00, 0.00
HSL	194°, 100%, 77%
HSV	194°, 46%, 100%
XYZ	56.2848, 68.1101, 104.7777
YIQ	204.1680, -62.3070, -10.6830

Conversions

Conversions Part 2

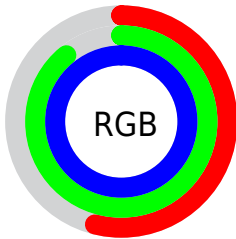
Format	Color
R_{YB}	138, 189, 255
Decimal	9102591
CIE _{Lab}	86.06, -20.04, -21.49
CIE _{LCh}	86, 29.384, 226.988
Yxy	68.1101, 0.2456, 0.2972
Android (android.graphics.Color)	4287292671 (0xFF8AE4FF)
YUV	204.1680, 25.0602, -58.0293
Hunter-Lab	82.5288, -22.6882, -17.5037

Details

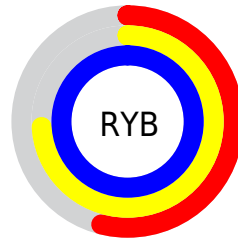
The Yxy color **68.1101, 0.2456, 0.2972** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.0420, 0.4237, 0.3575**, and the grayscale version is **60.3783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **35.2020, 0.2302, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **62.9997, 0.2337, 0.2890**, and if you desaturate by 10%, it is **73.8467, 0.2589, 0.3051**.

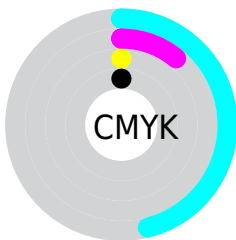
Distribution



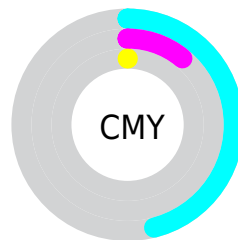
- Red (54%)
- Green (89%)
- Blue (100%)



- Red (54%)
- Yellow (74%)
- Blue (100%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1101, 0.2456, 0.2972 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 68.1101, 0.2456, 0.2972 by changing the saturation by 10% instead.


 68.1101, 0.2456,
0.2972

 68.1101, 0.2456,
0.2972


453.8860, 0.2761,
0.3127

 49.9873, 0.2388,
0.2935


 116.5096, 0.2561,
0.3027

 35.4033, 0.2305,
0.2889


 147.5552, 0.2602,
0.3048

 23.9737, 0.2201,
0.2829


183.6771, 0.2637,
0.3066

 15.3141, 0.2068,
0.2749

225.2598, 0.2668,
0.3082

 9.0401, 0.1894,
0.2638

272.6876, 0.2696,
0.3095

 4.7674, 0.1655,
0.2475

326.3450, 0.2720,

 2.1114, 0.1317,

0.3107

0.2217

386.6163, 0.2742,
0.3118

0.6710, 0.0402,
0.1819

0.0000, 0.0000,
0.0000

68.1101, 0.2456,
0.2972

68.1101, 0.2456,
0.2972

62.9997, 0.2337,
0.2890

73.8467, 0.2589,
0.3051

58.4704, 0.2235,
0.2804

80.2355, 0.2732,
0.3125

54.4826, 0.2152,
0.2718

87.3102, 0.2882,
0.3193

50.9874, 0.2089,
0.2631

95.0996, 0.3036,
0.3256

■ 47.9241, 0.2045,
0.2546

99.9993, 0.3127,
0.3290

■ 46.7407, 0.2031,
0.2511

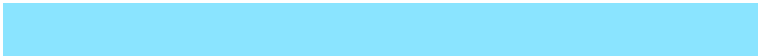
Harmonies

Analogous

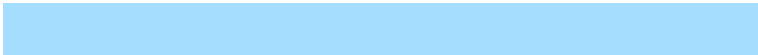
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.1101, 0.2568, 0.3294



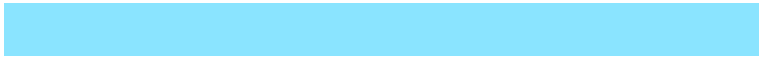
68.1101, 0.2456, 0.2972



68.1101, 0.2509, 0.2763

Triad

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



68.1101, 0.2456, 0.2972



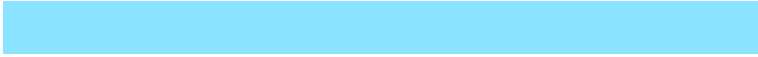
68.1101, 0.3413, 0.2972



68.1101, 0.3524, 0.3934

Complementary

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



68.1101, 0.2456, 0.2972



50.0420, 0.4237, 0.3575

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.



68.1101, 0.3775, 0.3798



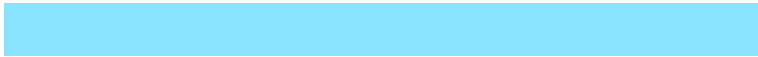
68.1101, 0.2456, 0.2972



68.1101, 0.3714, 0.3245

Square

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



68.1101, 0.2456, 0.2972



68.1101, 0.3045, 0.2777



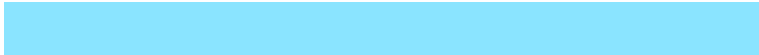
68.1101, 0.3848, 0.3542



68.1101, 0.3176, 0.3883

Rectangle

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



68.1101, 0.2456, 0.2972



68.1101, 0.2633, 0.2704



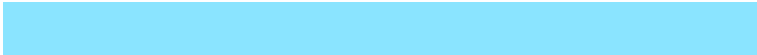
68.1101, 0.3848, 0.3542



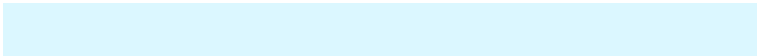
68.1101, 0.3623, 0.3907

Sweetspot

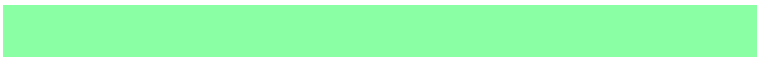
The Sweet Spot groups the original color and five complimentary colors.



68.1127, 0.2456, 0.2972



88.6978, 0.2910, 0.3205



79.5848, 0.2941, 0.4424



18.6394, 0.2877, 0.3191



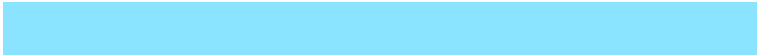
0.0000, 0.0000, 0.0000



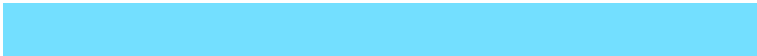
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1127, 0.2456, 0.2972



63.4124, 0.2346, 0.2897



41.8398, 0.2328, 0.2257



19.7281, 0.2980, 0.3234



24.6634, 0.2035, 0.2525



2.5660, 0.2062, 0.2622

Inverse Universe

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



45.0647, 0.3420, 0.2396



38.7710, 0.3499, 0.2238



75.2699, 0.3951, 0.4136



18.2244, 0.3174, 0.3109



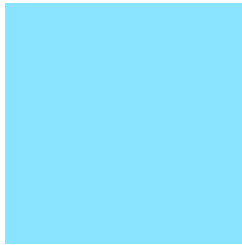
13.2177, 0.3898, 0.1921



1.3036, 0.3803, 0.1868

Previews

White Background



This preview shows how the Yxy color 68.1101, 0.2456, 0.2972 looks on a white background.

Color Contrast Check

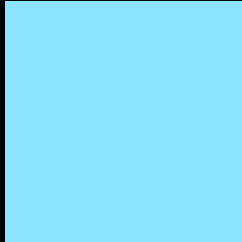
Large Text (above 18pt) WCAG AA × Fail

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 68.1101, 0.2456, 0.2972 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 68.1101, 0.2456, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 68.1101, 0.2456, 0.2972.

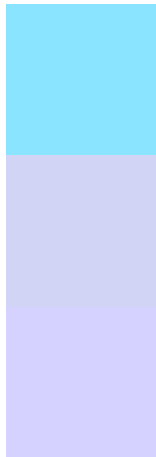


This preview shows how white text looks on a background with the Yxy color 68.1101, 0.2456, 0.2972.

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

68.1101, 0.2456, 0.2972

Protanopia

67.2348, 0.2891, 0.2931

Deuteranopia

67.4593, 0.2856, 0.2811



Tritanopia

68.0502, 0.2480, 0.3063

Trichromacy



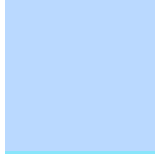
Original Color

68.1101, 0.2456, 0.2972



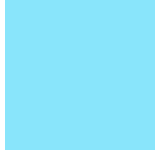
Protanomaly

67.0496, 0.2705, 0.2940



Deuteranomaly

67.2848, 0.2689, 0.2867



Tritanomaly

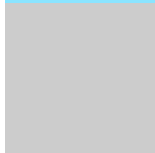
68.3220, 0.2471, 0.3029

Monochromacy



Original Color

68.1101, 0.2456, 0.2972



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

62.6195, 0.2832, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1101, 0.2456, 0.2972 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(138, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 228, 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(138, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 228, 255) }
```

Border

The CSS property to change the border of an element to Yxy 68.1101, 0.2456, 0.2972 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(138, 228, 255) }
```

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

```
.border{ border-color:rgb(138, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 228,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1101, 0.2456, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 228, 255) }
```

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

```
.background{ background-color: rgb(138,  
228, 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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