

Converting Colors

$Yxy(71.9757, 0.2475, 0.3067)$

Have a look what the booklet for
Yxy(71.9757, 0.2475, 0.3067)
contains.

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Color

Yxy(71.9757, 0.2475, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	8AEBFE
RGB	138, 235, 254
RGB Percent	54%, 92%, 100%
CMY	0.4588, 0.0784, 0.0038
CMYK	0.46, 0.07, 0.00, 0.00
HSL	190°, 98%, 77%
HSV	190°, 46%, 100%
XYZ	58.0828, 71.9757, 104.6194
YIQ	208.1630, -63.9110, -14.6550

Conversions

Conversions Part 2

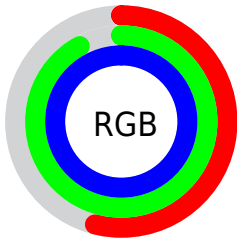
Format	Color
R _Y B	138, 191, 254
Decimal	9104382
CIE Lab	87.96, -23.79, -18.12
CIE LCh	88, 29.904, 217.293
Yxy	71.9757, 0.2475, 0.3067
Android (android.graphics.Color)	4287294462 (0xFF8AEBFE)
YUV	208.1630, 22.5976, -61.5330
Hunter-Lab	84.8385, -26.2613, -13.7271

Details

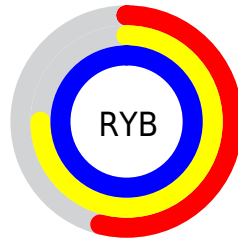
The Yxy color **71.9757, 0.2475, 0.3067** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0375, 0.4272, 0.3493**, and the grayscale version is **63.0730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **37.8911, 0.2332, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **67.7013, 0.2364, 0.3010**, and if you desaturate by 10%, it is **76.8182, 0.2601, 0.3122**.

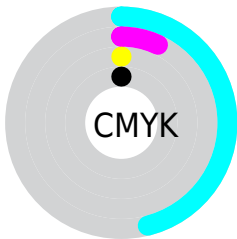
Distribution



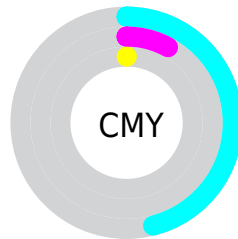
- Red (54%)
- Green (92%)
- Blue (100%)



- Red (54%)
- Yellow (75%)
- Blue (100%)



- Cyan (46%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9757, 0.2475, 0.3067 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 71.9757, 0.2475, 0.3067 by changing the saturation by 10% instead.


 71.9757, 0.2475,
0.3067

 71.9757, 0.2475,
0.3067


467.4570, 0.2770,
0.3177

 53.1388, 0.2410,
0.3040


 122.0220, 0.2576,
0.3107

 37.9136, 0.2330,
0.3007


 154.0002, 0.2615,
0.3122

 25.9156, 0.2231,
0.2963


191.1276, 0.2649,
0.3134

 16.7605, 0.2105,
0.2904

233.7887, 0.2679,
0.3145

 10.0639, 0.1940,
0.2821

282.3677, 0.2706,
0.3155

 5.4414, 0.1714,
0.2698

337.2492, 0.2730,

 2.5085, 0.1395,

0.3163

398.8175, 0.2751,
0.3171

0.2498

0.8809, 0.0642,
0.2206

0.0000, 0.0000,
0.0000

71.9757, 0.2475,
0.3067

71.9757, 0.2475,
0.3067

67.7013, 0.2364,
0.3010

76.8182, 0.2601,
0.3122

63.9504, 0.2271,
0.2951

82.2531, 0.2739,
0.3174

60.6849, 0.2198,
0.2891

88.3134, 0.2886,
0.3222

57.8570, 0.2144,
0.2832

95.0268, 0.3039,
0.3267

■ 55.4078, 0.2108,
0.2773

99.9375, 0.3133,
0.3299

■ 54.4280, 0.2097,
0.2748

Harmonies

Analogous

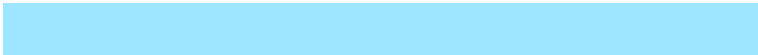
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9757, 0.2638, 0.3409



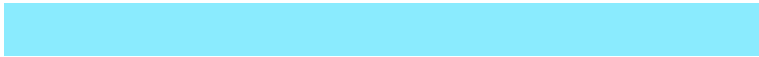
71.9757, 0.2475, 0.3067



71.9757, 0.2474, 0.2815

Triad

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



71.9757, 0.2475, 0.3067



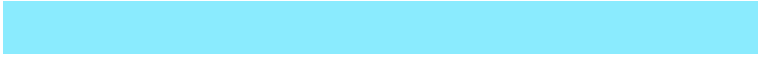
71.9757, 0.3296, 0.2898



71.9757, 0.3620, 0.3907

Complementary

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



71.9757, 0.2475, 0.3067



47.0375, 0.4272, 0.3493

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.



71.9757, 0.3820, 0.3724



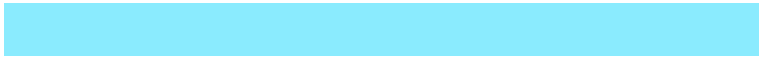
71.9757, 0.2475, 0.3067



71.9757, 0.3631, 0.3151

Square

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



71.9757, 0.2475, 0.3067



71.9757, 0.2930, 0.2737



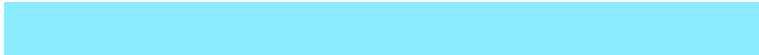
71.9757, 0.3827, 0.3447



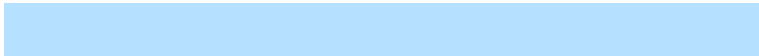
71.9757, 0.3293, 0.3922

Rectangle

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



71.9757, 0.2475, 0.3067



71.9757, 0.2565, 0.2724



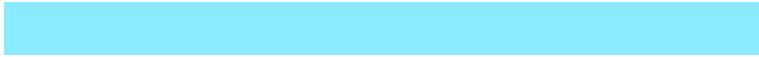
71.9757, 0.3827, 0.3447



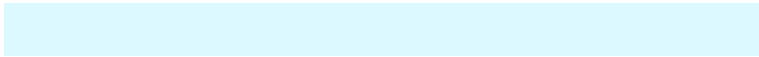
71.9757, 0.3705, 0.3862

Sweetspot

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



71.9785, 0.2475, 0.3067



90.1678, 0.2911, 0.3230



78.6857, 0.2978, 0.4517



19.0004, 0.2879, 0.3220



0.0000, 0.0000, 0.0000



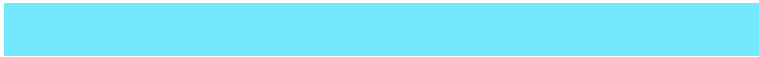
21.4041, 0.3127, 0.3290

Same Dimension

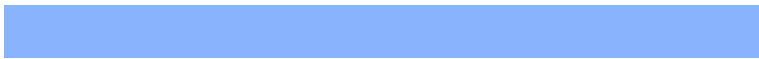
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.9785, 0.2475, 0.3067



68.5604, 0.2371, 0.3014



44.6478, 0.2349, 0.2361



19.9443, 0.2980, 0.3250



28.8742, 0.2099, 0.2758



2.9405, 0.2118, 0.2825

Inverse Universe

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



45.2537, 0.3347, 0.2331



39.2906, 0.3404, 0.2160



70.7120, 0.3984, 0.4061



18.2462, 0.3163, 0.3094



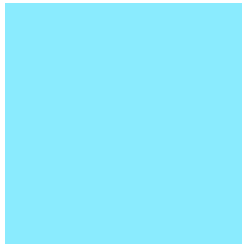
13.6428, 0.3674, 0.1798



1.3414, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 71.9757, 0.2475, 0.3067 looks on a white background.

Color Contrast Check

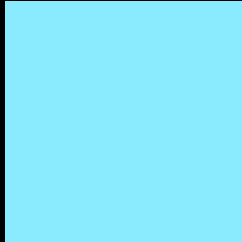
Large Text (above 18pt) WCAG AA × Fail

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 71.9757, 0.2475, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

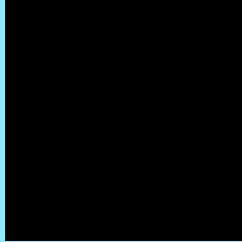
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9757, 0.2475, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 71.9757, 0.2475, 0.3067.



This preview shows how white text looks on a background with the Yxy color 71.9757, 0.2475, 0.3067.

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

71.9757, 0.2475, 0.3067

Protanopia

71.2128, 0.2952, 0.3022

Deuteranopia

71.3505, 0.2918, 0.2873



Tritanopia

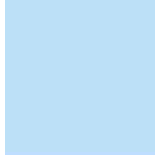
71.9757, 0.2475, 0.3067

Trichromacy



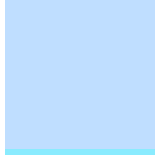
Original Color

71.9757, 0.2475, 0.3067



Protanomaly

70.7181, 0.2753, 0.3033



Deuteranomaly

70.5389, 0.2725, 0.2927



Tritanomaly

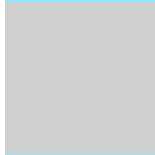
71.9757, 0.2475, 0.3067

Monochromacy



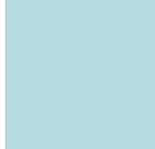
Original Color

71.9757, 0.2475, 0.3067



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.6463, 0.2843, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9757, 0.2475, 0.3067 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, 235, 254)` looks like.

```
.text, #text, p{  
    color:rgb(138, 235, 254)  
}
```

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, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 235, 254) }
```

Border

The CSS property to change the border of an element to Yxy 71.9757, 0.2475, 0.3067 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, 235, 254) }
```

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

```
.border{ border-color:rgb(138, 235, 254) }
```

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

Here you see how a box with a 4 pixel rgb(138, 235, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(138, 235,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9757, 0.2475, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 235, 254) }
```

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

```
.background{ background-color: rgb(138,  
235, 254) }
```

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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