

Converting Colors

$Yxy(71.7944, 0.2458, 0.3055)$

Have a look what the booklet for
Yxy(71.7944, 0.2458, 0.3055)
contains.

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Color

Yxy(71.7876, 0.2458, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	87EBFF
RGB	135, 235, 255
RGB Percent	53%, 92%, 100%
CMY	0.4704, 0.0785, 0.0000
CMYK	0.47, 0.08, 0.00, 0.00
HSL	190°, 100%, 76%
HSV	190°, 47%, 100%
XYZ	57.7591, 71.7876, 105.4373
YIQ	207.3800, -66.0200, -14.9800

Conversions

Conversions Part 2

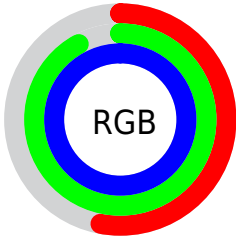
Format	Color
R _Y B	135, 190, 255
Decimal	8907775
CIE Lab	87.87, -24.19, -18.79
CIE LCh	88, 30.628, 217.837
Yxy	71.7876, 0.2458, 0.3055
Android (android.graphics.Color)	4287097855 (0xFF87EBFF)
YUV	207.3800, 23.4767, -63.4773
Hunter-Lab	84.7276, -26.5892, -14.4728

Details

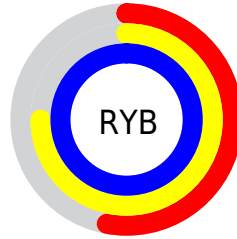
The Yxy color **71.7876, 0.2458, 0.3055** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.4752, 0.4321, 0.3502**, and the grayscale version is **62.5411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **37.7733, 0.2311, 0.2996** is the 20% darker color. If you saturate the color by 10%, you get **67.5134, 0.2349, 0.2997**, and if you desaturate by 10%, it is **76.6292, 0.2582, 0.3112**.

Distribution



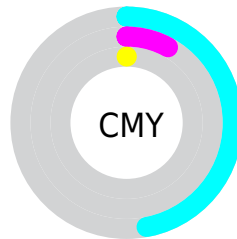
- Red (53%)
- Green (92%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7876, 0.2458, 0.3055 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 71.7876, 0.2458, 0.3055 by changing the saturation by 10% instead.


 71.7876, 0.2458,
0.3055

 71.7876, 0.2458,
0.3055


466.8020, 0.2760,
0.3171

 52.9852, 0.2391,
0.3027


 121.7545, 0.2561,
0.3097

 37.7909, 0.2310,
0.2991


 153.6878, 0.2602,
0.3113

 25.8205, 0.2209,
0.2945


190.7668, 0.2637,
0.3126

 16.6894, 0.2080,
0.2884

233.3760, 0.2668,
0.3138

 10.0133, 0.1911,
0.2797

281.8997, 0.2695,
0.3148

 5.4078, 0.1681,
0.2667

336.7223, 0.2719,

 2.4884, 0.1357,

0.3157

398.2283, 0.2741,
0.3164

0.2459

0.8708, 0.0587,
0.2156

0.0000, 0.0000,
0.0000

71.7876, 0.2458,
0.3055

71.7876, 0.2458,
0.3055

67.5134, 0.2349,
0.2997

76.6292, 0.2582,
0.3112

63.7655, 0.2259,
0.2937

82.0677, 0.2719,
0.3165

60.5032, 0.2187,
0.2876

88.1352, 0.2865,
0.3215

57.6769, 0.2135,
0.2815

94.8601, 0.3018,
0.3260

■ 55.2238, 0.2102,
0.2756

100.0000, 0.3127,
0.3290

■ 54.5404, 0.2094,
0.2738

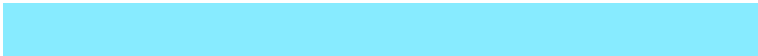
Harmonies

Analogous

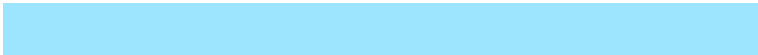
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7876, 0.2622, 0.3405



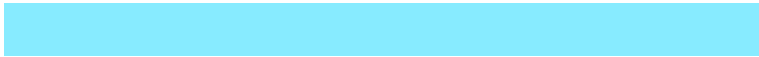
71.7876, 0.2458, 0.3055



71.7876, 0.2461, 0.2800

Triad

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



71.7876, 0.2458, 0.3055



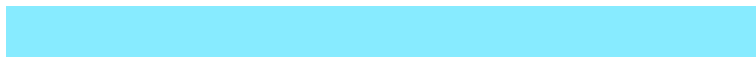
71.7876, 0.3306, 0.2893



71.7876, 0.3627, 0.3925

Complementary

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



71.7876, 0.2458, 0.3055



46.4752, 0.4321, 0.3502

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.



71.7876, 0.3835, 0.3738



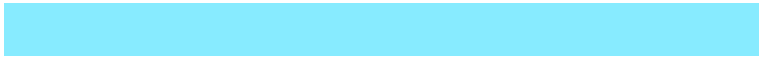
71.7876, 0.2458, 0.3055



71.7876, 0.3648, 0.3153

Square

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



71.7876, 0.2458, 0.3055



71.7876, 0.2932, 0.2727



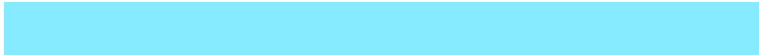
71.7876, 0.3846, 0.3456



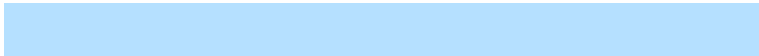
71.7876, 0.3290, 0.3937

Rectangle

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



71.7876, 0.2458, 0.3055



71.7876, 0.2555, 0.2709



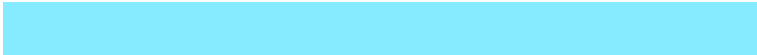
71.7876, 0.3846, 0.3456



71.7876, 0.3715, 0.3878

Sweetspot

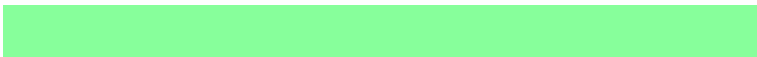
The Sweet Spot groups the original color and five complimentary colors.



71.7889, 0.2458, 0.3055



90.1060, 0.2911, 0.3229



79.0440, 0.2965, 0.4535



18.9852, 0.2879, 0.3219



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.



71.7889, 0.2458, 0.3055



67.9311, 0.2360, 0.3003



43.0510, 0.2319, 0.2301



19.9352, 0.2980, 0.3249



28.6893, 0.2097, 0.2748



2.9242, 0.2116, 0.2816

Inverse Universe

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



44.6022, 0.3358, 0.2308



38.6723, 0.3414, 0.2147



71.6218, 0.4004, 0.4101



18.2453, 0.3164, 0.3094



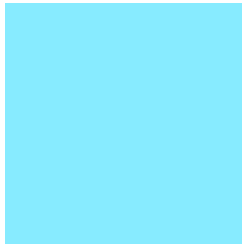
13.6242, 0.3683, 0.1803



1.3397, 0.3620, 0.1768

Previews

White Background



This preview shows how the Yxy color 71.7876, 0.2458, 0.3055 looks on a white background.

Color Contrast Check

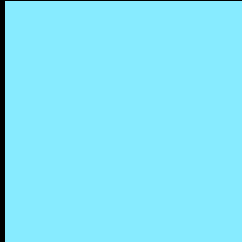
Large Text (above 18pt) WCAG AA × Fail

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 71.7876, 0.2458, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

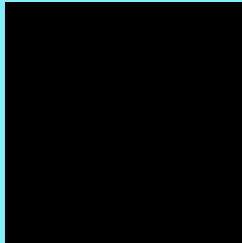
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7876, 0.2458, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 71.7876, 0.2458, 0.3055.

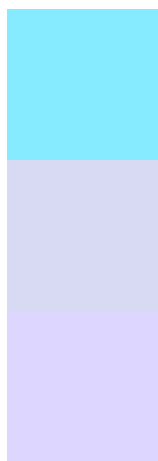


This preview shows how white text looks on a background with the Yxy color 71.7876, 0.2458, 0.3055.

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

71.7876, 0.2458, 0.3055

Protanopia

71.2734, 0.2946, 0.3012

Deuteranopia

71.1930, 0.2911, 0.2872



Tritanopia

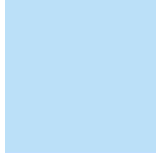
71.7233, 0.2462, 0.3067

Trichromacy



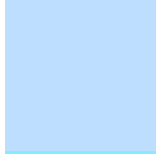
Original Color

71.7876, 0.2458, 0.3055



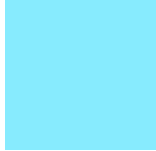
Protanomaly

70.6534, 0.2741, 0.3022



Deuteranomaly

70.4097, 0.2719, 0.2927



Tritanomaly

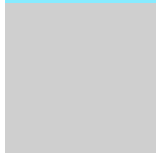
71.7233, 0.2462, 0.3067

Monochromacy



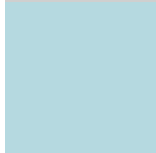
Original Color

71.7876, 0.2458, 0.3055



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.8313, 0.2835, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7876, 0.2458, 0.3055 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(135, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 235, 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(135, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.7876, 0.2458, 0.3055 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(135, 235, 255) }
```

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

```
.border{ border-color:rgb(135, 235, 255) }
```

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

Here you see how a box with a 4 pixel rgb(135, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7876, 0.2458, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 235, 255) }
```

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

```
.background{ background-color: rgb(135,  
235, 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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