

Converting Colors

$Yxy(76.9471, 0.2213, 0.2380)$

Have a look what the booklet for
Yxy(76.9471, 0.2213, 0.2380)
contains.

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Color

Yxy(71.6411, 0.2477, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	8CEAFF
RGB	140, 234, 255
RGB Percent	55%, 92%, 100%
CMY	0.4513, 0.0823, 0.0000
CMYK	0.45, 0.08, 0.00, 0.00
HSL	191°, 100%, 77%
HSV	191°, 45%, 100%
XYZ	58.2775, 71.6411, 105.3559
YIQ	208.2880, -62.7650, -13.3970

Conversions

Conversions Part 2

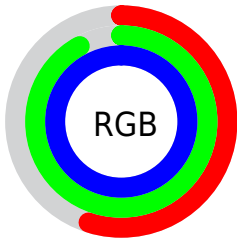
Format	Color
RYB	140, 192, 255
Decimal	9235199
CIELab	87.80, -22.62, -18.86
CIELCh	88, 29.451, 219.818
Yxy	71.6411, 0.2477, 0.3045
Android (android.graphics.Color)	4287425279 (0xFF8CEAFF)
YUV	208.2880, 23.0290, -59.8886
Hunter-Lab	84.6411, -25.2201, -14.5518

Details

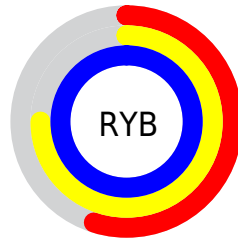
The Yxy color **71.6411, 0.2477, 0.3045** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.6068, 0.4242, 0.3513**, and the grayscale version is **63.1426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **37.6673, 0.2336, 0.2982** is the 20% darker color. If you saturate the color by 10%, you get **67.0683, 0.2363, 0.2981**, and if you desaturate by 10%, it is **76.8019, 0.2606, 0.3106**.

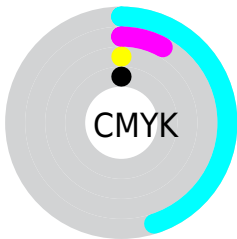
Distribution



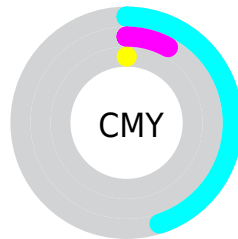
- Red (55%)
- Green (92%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6411, 0.2477, 0.3045 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 71.6411, 0.2477, 0.3045 by changing the saturation by 10% instead.


 71.6411, 0.2477,
0.3045


 71.6411, 0.2477,
0.3045

466.2914, 0.2771,
0.3165

 52.8655, 0.2412,
0.3016

 121.5461, 0.2577,
0.3088

 37.6954, 0.2333,
0.2980


 153.4444, 0.2617,
0.3104

 25.7464, 0.2234,
0.2932


190.4857, 0.2651,
0.3118

 16.6340, 0.2108,
0.2869

233.0544, 0.2681,
0.3130

 9.9739, 0.1943,
0.2781

281.5350, 0.2707,
0.3141

 5.3817, 0.1717,
0.2650

336.3117, 0.2731,

 2.4729, 0.1398,

0.3150

0.2440

397.7691, 0.2752,
0.3158

0.8630, 0.0661,
0.2129

0.0000, 0.0000,
0.0000

71.6411, 0.2477,
0.3045

71.6411, 0.2477,
0.3045

67.0683, 0.2363,
0.2981

76.8019, 0.2606,
0.3106

63.0388, 0.2267,
0.2915

82.5755, 0.2746,
0.3164

59.5142, 0.2189,
0.2849

88.9950, 0.2894,
0.3217

56.4466, 0.2132,
0.2782

96.0885, 0.3048,
0.3267

■ 53.7772, 0.2093,
0.2716

99.9995, 0.3127,
0.3290

■ 52.5789, 0.2079,
0.2684

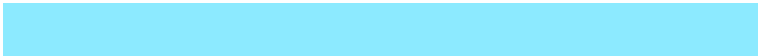
Harmonies

Analogous

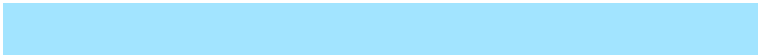
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6411, 0.2626, 0.3378



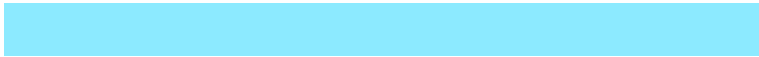
71.6411, 0.2477, 0.3045



71.6411, 0.2490, 0.2807

Triad

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



71.6411, 0.2477, 0.3045



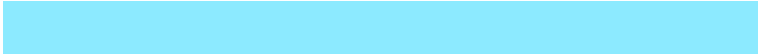
71.6411, 0.3324, 0.2922



71.6411, 0.3590, 0.3907

Complementary

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



71.6411, 0.2477, 0.3045



48.6068, 0.4242, 0.3513

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.



71.6411, 0.3801, 0.3738



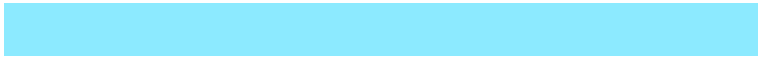
71.6411, 0.2477, 0.3045



71.6411, 0.3646, 0.3177

Square

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



71.6411, 0.2477, 0.3045



71.6411, 0.2962, 0.2753



71.6411, 0.3824, 0.3470



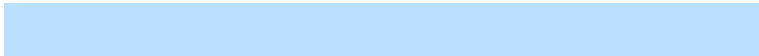
71.6411, 0.3261, 0.3904

Rectangle

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



71.6411, 0.2477, 0.3045



71.6411, 0.2589, 0.2725



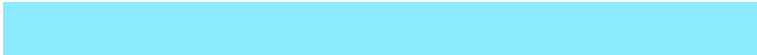
71.6411, 0.3824, 0.3470



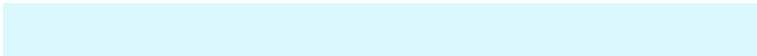
71.6411, 0.3678, 0.3867

Sweetspot

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



71.6439, 0.2477, 0.3045



89.7644, 0.2911, 0.3223



79.5911, 0.2970, 0.4475



18.9013, 0.2878, 0.3212



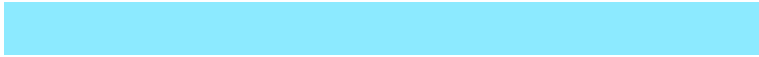
0.0000, 0.0000, 0.0000



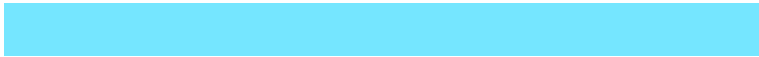
21.4041, 0.3127, 0.3290

Same Dimension

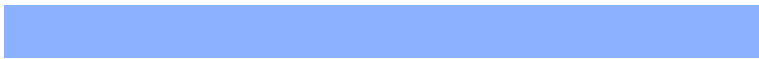
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6439, 0.2477, 0.3045



67.5594, 0.2375, 0.2988



44.7431, 0.2354, 0.2349



19.8850, 0.2980, 0.3246



27.6791, 0.2082, 0.2695



2.8348, 0.2103, 0.2770

Inverse Universe

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



45.9359, 0.3363, 0.2360



39.7600, 0.3423, 0.2198



72.5892, 0.3963, 0.4070



18.2402, 0.3166, 0.3098



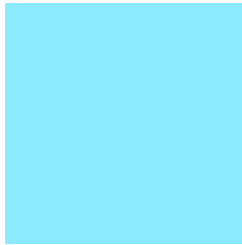
13.5222, 0.3733, 0.1830



1.3307, 0.3662, 0.1791

Previews

White Background



This preview shows how the Yxy color 71.6411, 0.2477, 0.3045 looks on a white background.

Color Contrast Check

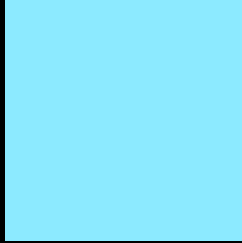
Large Text (above 18pt) WCAG AA × Fail

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 71.6411, 0.2477, 0.3045 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 71.6411, 0.2477, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 71.6411, 0.2477, 0.3045.

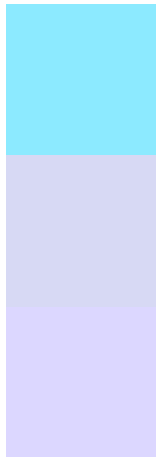


This preview shows how white text looks on a background with the Yxy color 71.6411, 0.2477, 0.3045.

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

71.6411, 0.2477, 0.3045

Protanopia

70.6044, 0.2939, 0.3000

Deuteranopia

71.0365, 0.2904, 0.2871



Tritanopia

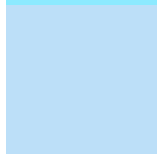
71.4265, 0.2482, 0.3067

Trichromacy



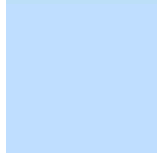
Original Color

71.6411, 0.2477, 0.3045



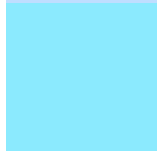
Protanomaly

70.2440, 0.2746, 0.3011



Deuteranomaly

70.5389, 0.2725, 0.2927



Tritanomaly

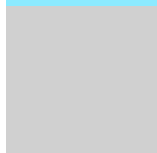
71.4904, 0.2477, 0.3056

Monochromacy



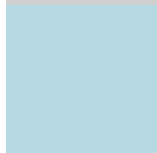
Original Color

71.6411, 0.2477, 0.3045



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.1292, 0.2842, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6411, 0.2477, 0.3045 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(140, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 234, 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(140, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.6411, 0.2477, 0.3045 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(140, 234, 255) }
```

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

```
.border{ border-color:rgb(140, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6411, 0.2477, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 234, 255) }
```

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

```
.background{ background-color: rgb(140,  
234, 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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