

Converting Colors

$Y_{xy}(70.9208, 0.2262, 0.2727)$

Have a look what the booklet for
Yxy(70.9208, 0.2262, 0.2727)
contains.

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Color

Yxy(69.0085, 0.2367, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	71E9FF
RGB	113, 233, 255
RGB Percent	44%, 91%, 100%
CMY	0.5575, 0.0862, 0.0001
CMYK	0.56, 0.09, 0.00, 0.00
HSL	189°, 100%, 72%
HSV	189°, 56%, 100%
XYZ	53.9799, 69.0085, 105.0635
YIQ	199.6280, -78.5820, -18.5980

Conversions

Conversions Part 2

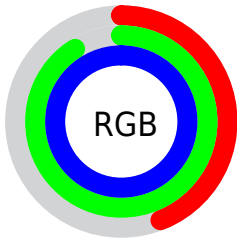
Format	Color
RYB	113, 178, 255
Decimal	7465471
CIELab	86.51, -27.78, -20.90
CIElCh	87, 34.762, 216.948
Yxy	69.0085, 0.2367, 0.3026
Android (android.graphics.Color)	4285655551 (0xFF71E9FF)
YUV	199.6280, 27.2984, -75.9728
Hunter-Lab	83.0714, -29.3853, -16.8364

Details

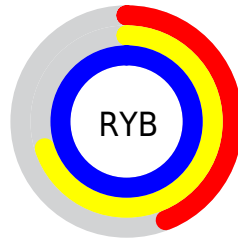
The Yxy color **69.0085, 0.2367, 0.3026** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.7142, 0.4676, 0.3514**, and the grayscale version is **57.3601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **35.9726, 0.2201, 0.2955** is the 20% darker color. If you saturate the color by 10%, you get **65.3486, 0.2275, 0.2971**, and if you desaturate by 10%, it is **73.1981, 0.2476, 0.3080**.

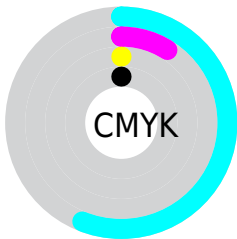
Distribution



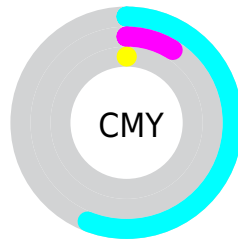
- Red (44%)
- Green (91%)
- Blue (100%)



- Red (44%)
- Yellow (70%)
- Blue (100%)



- Cyan (56%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0085, 0.2367, 0.3026 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 69.0085, 0.2367, 0.3026 by changing the saturation by 10% instead.

 69.0085, 0.2367,
0.3026

 69.0085, 0.2367,
0.3026


457.0610, 0.2711,
0.3159


 50.7186, 0.2291,
0.2993

 117.7937, 0.2484,
0.3074

 35.9847, 0.2198,
0.2952


 149.0579, 0.2531,
0.3092

 24.4224, 0.2084,
0.2899


 185.4155, 0.2571,
0.3107

 15.6473, 0.1938,
0.2826

227.2512, 0.2606,
0.3121

 9.2749, 0.1748,
0.2723

274.9491, 0.2637,
0.3132

 4.9209, 0.1491,
0.2570

328.8938, 0.2664,

 2.2009, 0.1137,

0.3142

389.4696, 0.2689,
0.3151

0.2322

0.7205, 0.0018,
0.1988

0.0000, 0.0000,
0.0000

69.0085, 0.2367,
0.3026

69.0085, 0.2367,
0.3026

65.3486, 0.2275,
0.2971

73.1981, 0.2476,
0.3080

62.1692, 0.2203,
0.2915

77.9460, 0.2601,
0.3131

59.4248, 0.2151,
0.2859

83.2879, 0.2738,
0.3180

57.0558, 0.2117,
0.2804

89.2540, 0.2885,
0.3226

■ 56.1250, 0.2106,
0.2781

■ 95.8726, 0.3038,
0.3268

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



69.0085, 0.2556, 0.3433



69.0085, 0.2367, 0.3026



69.0085, 0.2365, 0.2733

Triad

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



69.0085, 0.2367, 0.3026



69.0085, 0.3318, 0.2831



69.0085, 0.3708, 0.4014

Complementary

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



69.0085, 0.2367, 0.3026



39.7142, 0.4676, 0.3514

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.



69.0085, 0.3944, 0.3789



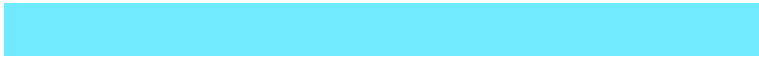
69.0085, 0.2367, 0.3026



69.0085, 0.3717, 0.3121

Square

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



69.0085, 0.2367, 0.3026



69.0085, 0.2889, 0.2646



69.0085, 0.3952, 0.3463



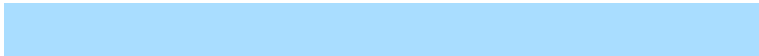
69.0085, 0.3322, 0.4042

Rectangle

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



69.0085, 0.2367, 0.3026



69.0085, 0.2468, 0.2629



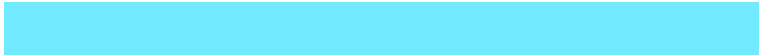
69.0085, 0.3952, 0.3463



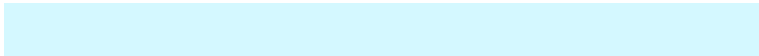
69.0085, 0.3808, 0.3956

Sweetspot

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



69.0111, 0.2367, 0.3026



88.4875, 0.2866, 0.3220



76.7321, 0.2955, 0.4840



18.6758, 0.2836, 0.3211



0.0000, 0.0000, 0.0000



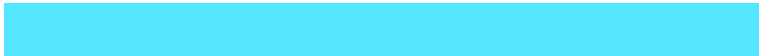
21.4041, 0.3127, 0.3290

Same Dimension

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



69.0111, 0.2367, 0.3026



64.9365, 0.2265, 0.2964



36.7666, 0.2172, 0.2109



19.9753, 0.2980, 0.3252



29.5121, 0.2108, 0.2790



2.9967, 0.2126, 0.2853

Inverse Universe

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



38.9148, 0.3395, 0.2137



33.2595, 0.3463, 0.1969



66.2171, 0.4205, 0.4213



18.2493, 0.3162, 0.3091



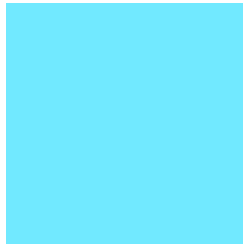
13.7072, 0.3644, 0.1781



1.3471, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 69.0085, 0.2367, 0.3026 looks on a white background.

Color Contrast Check

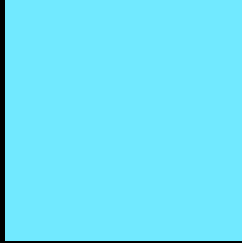
Large Text (above 18pt) WCAG AA × Fail

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 69.0085, 0.2367, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

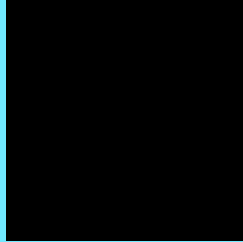
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0085, 0.2367, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 69.0085, 0.2367, 0.3026.

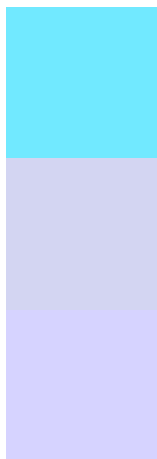


This preview shows how white text looks on a background with the Yxy color 69.0085, 0.2367, 0.3026.

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

69.0085, 0.2367, 0.3026

Protanopia

67.8482, 0.2923, 0.2974

Deuteranopia

68.1047, 0.2863, 0.2822



Tritanopia

68.7508, 0.2376, 0.3060

Trichromacy



Original Color

69.0085, 0.2367, 0.3026



Protanomaly

67.0158, 0.2671, 0.2981



Deuteranomaly

67.2301, 0.2639, 0.2884



Tritanomaly

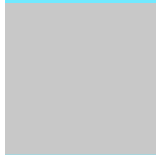
68.8144, 0.2372, 0.3048

Monochromacy



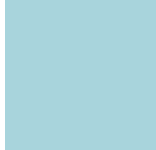
Original Color

69.0085, 0.2367, 0.3026



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.5791, 0.2772, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0085, 0.2367, 0.3026 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(113, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 233, 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(113, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.0085, 0.2367, 0.3026 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(113, 233, 255) }
```

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

```
.border{ border-color:rgb(113, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0085, 0.2367, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 233, 255) }
```

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

```
.background{ background-color: rgb(113,  
233, 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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