

Converting Colors

$Yxy(69.9161, 0.2354, 0.3052)$

Have a look what the booklet for
Yxy(69.9161, 0.2354, 0.3052)
contains.

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Color

Yxy(69.7625, 0.2352, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	6BEBFF
RGB	107, 235, 255
RGB Percent	42%, 92%, 100%
CMY	0.5806, 0.0784, 0.0000
CMYK	0.58, 0.08, 0.00, 0.00
HSL	188°, 100%, 71%
HSV	188°, 58%, 100%
XYZ	53.8148, 69.7625, 105.2272
YIQ	199.0080, -82.7080, -20.9160

Conversions

Conversions Part 2

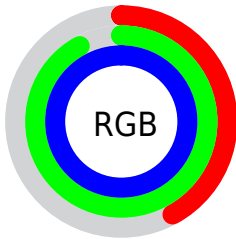
Format	Color
RYB	107, 176, 255
Decimal	7072767
CIELab	86.88, -29.81, -20.36
CIElCh	87, 36.095, 214.330
Yxy	69.7625, 0.2352, 0.3049
Android (android.graphics.Color)	4285262847 (0xFF6BEBFF)
YUV	199.0080, 27.6041, -80.6910
Hunter-Lab	83.5239, -31.1586, -16.2294

Details

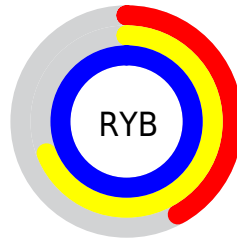
The Yxy color **69.7625, 0.2352, 0.3049** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.4779, 0.4794, 0.3491**, and the grayscale version is **56.9772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **36.5116, 0.2183, 0.2986** is the 20% darker color. If you saturate the color by 10%, you get **66.4602, 0.2268, 0.3001**, and if you desaturate by 10%, it is **73.5739, 0.2455, 0.3096**.

Distribution



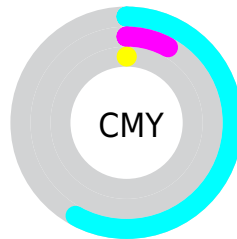
- Red (42%)
- Green (92%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7625, 0.2352, 0.3049 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 69.7625, 0.2352, 0.3049 by changing the saturation by 10% instead.


 69.7625, 0.2352,
0.3049


 69.7625, 0.2352,
0.3049

459.7157, 0.2702,
0.3171


 51.3329, 0.2275,
0.3019


 118.8700, 0.2471,
0.3093

 36.4736, 0.2181,
0.2980


 150.3167, 0.2518,
0.3110

 24.8002, 0.2065,
0.2930


 186.8713, 0.2559,
0.3124

 15.9283, 0.1918,
0.2862

228.9181, 0.2595,
0.3136

 9.4734, 0.1726,
0.2764

276.8416, 0.2626,
0.3147

 5.0512, 0.1468,
0.2618

331.0260, 0.2654,

 2.2774, 0.1114,

0.3156

0.2380

391.8559, 0.2679,
0.3164

0.7617, 0.0000,
0.2074

0.0000, 0.0000,
0.0000

69.7625, 0.2352,
0.3049

69.7625, 0.2352,
0.3049

66.4602, 0.2268,
0.3001

73.5739, 0.2455,
0.3096

63.6166, 0.2203,
0.2953

77.9238, 0.2574,
0.3141

61.1842, 0.2157,
0.2905

82.8487, 0.2707,
0.3184

59.0948, 0.2129,
0.2857

88.3792, 0.2851,
0.3225

■ 58.7103, 0.2125,
0.2848

■ 94.5438, 0.3002,
0.3262

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



69.7625, 0.2563, 0.3476



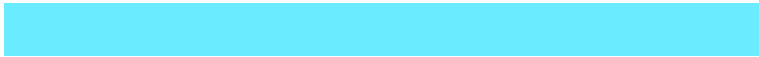
69.7625, 0.2352, 0.3049



69.7625, 0.2333, 0.2734

Triad

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



69.7625, 0.2352, 0.3049



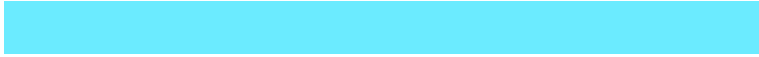
69.7625, 0.3285, 0.2795



69.7625, 0.3756, 0.4025

Complementary

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



69.7625, 0.2352, 0.3049



37.4779, 0.4794, 0.3491

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.



69.7625, 0.3983, 0.3777



69.7625, 0.2352, 0.3049



69.7625, 0.3707, 0.3086

Square

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



69.7625, 0.2352, 0.3049



69.7625, 0.2845, 0.2616



69.7625, 0.3969, 0.3436



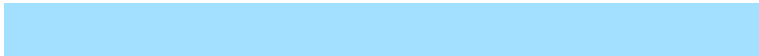
69.7625, 0.3366, 0.4077

Rectangle

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



69.7625, 0.2352, 0.3049



69.7625, 0.2428, 0.2617



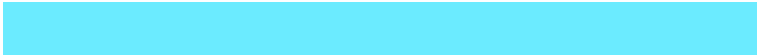
69.7625, 0.3969, 0.3436



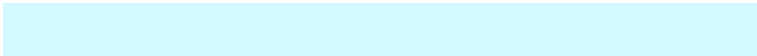
69.7625, 0.3854, 0.3959

Sweetspot

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



69.7651, 0.2352, 0.3049



89.0092, 0.2867, 0.3229



76.1602, 0.2962, 0.4944



18.8002, 0.2837, 0.3221



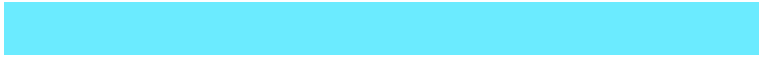
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

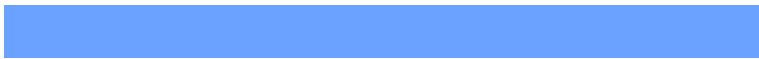
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7651, 0.2352, 0.3049



65.8793, 0.2253, 0.2992



35.9117, 0.2140, 0.2083



20.0386, 0.2980, 0.3257



30.8422, 0.2127, 0.2856



3.1137, 0.2142, 0.2910

Inverse Universe

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



37.7612, 0.3380, 0.2076



32.2626, 0.3443, 0.1906



63.9555, 0.4271, 0.4222



18.2557, 0.3159, 0.3087



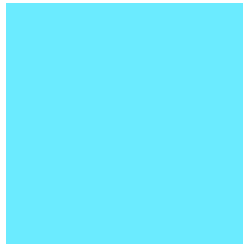
13.8415, 0.3583, 0.1748



1.3589, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 69.7625, 0.2352, 0.3049 looks on a white background.

Color Contrast Check

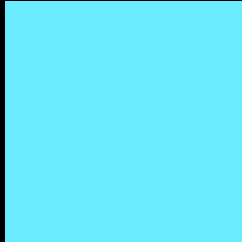
Large Text (above 18pt) WCAG AA × Fail

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 69.7625, 0.2352, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

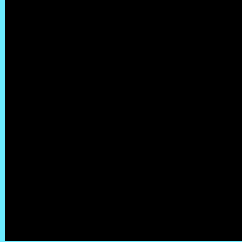
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7625, 0.2352, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 69.7625, 0.2352, 0.3049.

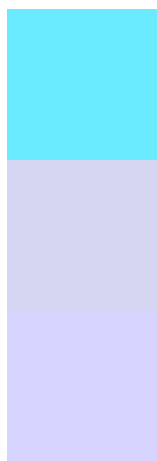


This preview shows how white text looks on a background with the Yxy color 69.7625, 0.2352, 0.3049.

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

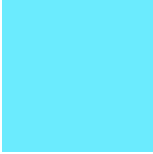
69.7625, 0.2352, 0.3049

Protanopia

68.5010, 0.2930, 0.2986

Deuteranopia

68.7540, 0.2870, 0.2834



Tritanopia

69.6982, 0.2356, 0.3060

Trichromacy



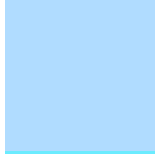
Original Color

69.7625, 0.2352, 0.3049



Protanomaly

67.9566, 0.2668, 0.3004



Deuteranomaly

67.6365, 0.2635, 0.2895



Tritanomaly

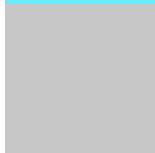
69.6982, 0.2356, 0.3060

Monochromacy



Original Color

69.7625, 0.2352, 0.3049



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.3084, 0.2765, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7625, 0.2352, 0.3049 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(107, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.7625, 0.2352, 0.3049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

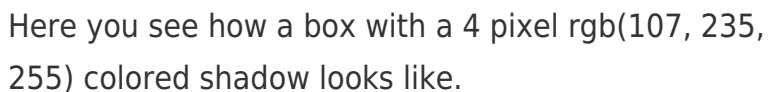
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 235, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7625, 0.2352, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 235, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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