

Converting Colors

$Yxy(71.0704, 0.2353, 0.3079)$

Have a look what the booklet for
Yxy(71.0704, 0.2353, 0.3079)
contains.

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Color

Yxy(70.7916, 0.2351, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	69EDFF
RGB	105, 237, 255
RGB Percent	41%, 93%, 100%
CMY	0.5882, 0.0706, 0.0000
CMYK	0.59, 0.07, 0.00, 0.00
HSL	187°, 100%, 71%
HSV	187°, 59%, 100%
XYZ	54.1591, 70.7916, 105.4157
YIQ	199.5840, -84.4500, -22.3860

Conversions

Conversions Part 2

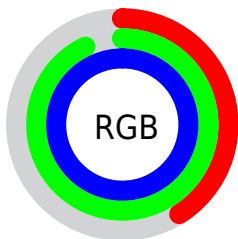
Format	Color
RYB	105, 175, 255
Decimal	6942207
CIELab	87.38, -31.10, -19.61
CIELCh	87, 36.762, 212.231
Yxy	70.7916, 0.2351, 0.3073
Android (android.graphics.Color)	4285132287 (0xFF69EDFF)
YUV	199.5840, 27.3201, -82.9502
Hunter-Lab	84.1377, -32.3413, -15.3877

Details

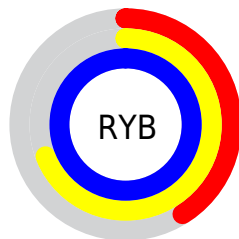
The Yxy color **70.7916, 0.2351, 0.3073** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.4452, 0.4843, 0.3470**, and the grayscale version is **57.3594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **37.2351, 0.2183, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.7183, 0.2270, 0.3031**, and if you desaturate by 10%, it is **74.3632, 0.2451, 0.3115**.

Distribution



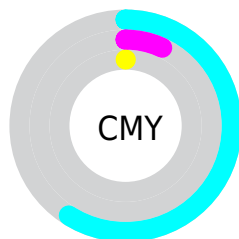
- Red (41%)
- Green (93%)
- Blue (100%)



- Red (41%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7916, 0.2351, 0.3073 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 70.7916, 0.2351, 0.3073 by changing the saturation by 10% instead.


 70.7916, 0.2351,
0.3073


 70.7916, 0.2351,
0.3073


463.3246, 0.2700,
0.3184


 52.1721, 0.2274,
0.3045


 120.3369, 0.2470,
0.3114

 37.1423, 0.2181,
0.3010


 152.0316, 0.2517,
0.3129

 25.3177, 0.2065,
0.2964


 188.8535, 0.2558,
0.3142

 16.3139, 0.1919,
0.2900

231.1869, 0.2593,
0.3153

 9.7466, 0.1728,
0.2810

279.4164, 0.2625,
0.3162

 5.2312, 0.1473,
0.2674

333.9262, 0.2653,

 2.3836, 0.1122,

0.3170

0.2450

395.1008, 0.2678,
0.3178

0.8174, 0.0047,
0.2172

0.0000, 0.0000,
0.0000

70.7916, 0.2351,
0.3073

70.7916, 0.2351,
0.3073

67.7183, 0.2270,
0.3031

74.3632, 0.2451,
0.3115

65.0923, 0.2209,
0.2988

78.4628, 0.2567,
0.3155

62.8655, 0.2167,
0.2946

83.1269, 0.2698,
0.3193

60.9641, 0.2141,
0.2904

88.3863, 0.2840,
0.3229

■ 60.7504, 0.2139,
0.2899

■ 94.2696, 0.2990,
0.3263

100.0000, 0.3127,
0.3290

Harmonies

Analogous

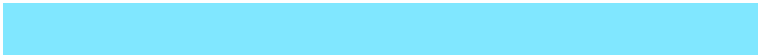
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.7916, 0.2577, 0.3509



70.7916, 0.2351, 0.3073



70.7916, 0.2318, 0.2743

Triad

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



70.7916, 0.2351, 0.3073



70.7916, 0.3254, 0.2772



70.7916, 0.3786, 0.4022

Complementary

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



70.7916, 0.2351, 0.3073



36.4452, 0.4843, 0.3470

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.



70.7916, 0.4002, 0.3760



70.7916, 0.2351, 0.3073



70.7916, 0.3688, 0.3060

Square

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



70.7916, 0.2351, 0.3073



70.7916, 0.2813, 0.2600



70.7916, 0.3970, 0.3411



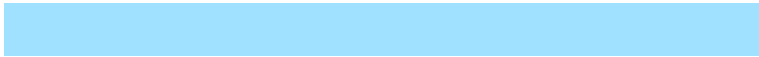
70.7916, 0.3399, 0.4093

Rectangle

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



70.7916, 0.2351, 0.3073



70.7916, 0.2405, 0.2617



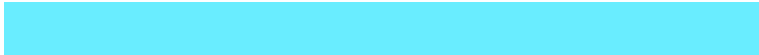
70.7916, 0.3970, 0.3411



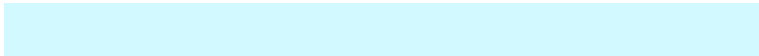
70.7916, 0.3882, 0.3951

Sweetspot

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



70.7943, 0.2351, 0.3073



88.8467, 0.2852, 0.3232



75.9407, 0.2971, 0.4999



18.6726, 0.2810, 0.3222



0.0000, 0.0000, 0.0000



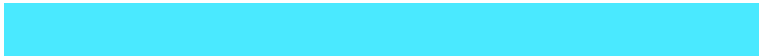
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7943, 0.2351, 0.3073



67.1100, 0.2255, 0.3021



36.2410, 0.2135, 0.2097



20.0874, 0.2980, 0.3261



31.8909, 0.2141, 0.2906



3.2056, 0.2154, 0.2954

Inverse Universe

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



37.4782, 0.3362, 0.2046



32.0501, 0.3419, 0.1875



62.4401, 0.4305, 0.4209



18.2606, 0.3156, 0.3083



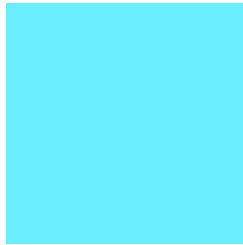
13.9474, 0.3538, 0.1723



1.3681, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 70.7916, 0.2351, 0.3073 looks on a white background.

Color Contrast Check

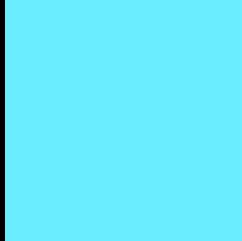
Large Text (above 18pt) WCAG AA × Fail

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 70.7916, 0.2351, 0.3073 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 70.7916, 0.2351, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 70.7916, 0.2351, 0.3073.

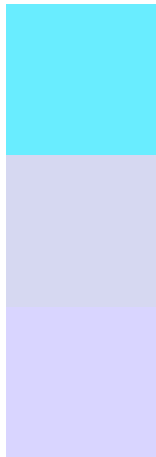


This preview shows how white text looks on a background with the Yxy color 70.7916, 0.2351, 0.3073.

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

70.7916, 0.2351, 0.3073

Protanopia

69.7587, 0.2951, 0.3020

Deuteranopia

69.5602, 0.2884, 0.2847



Tritanopia

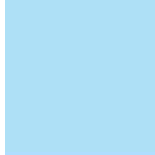
70.5904, 0.2368, 0.3062

Trichromacy



Original Color

70.7916, 0.2351, 0.3073



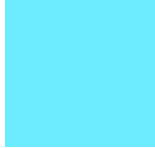
Protanomaly

68.9638, 0.2676, 0.3038



Deuteranomaly

68.6927, 0.2637, 0.2919



Tritanomaly

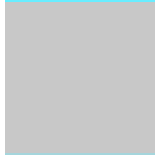
70.4621, 0.2362, 0.3061

Monochromacy



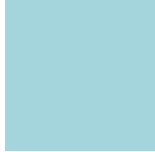
Original Color

70.7916, 0.2351, 0.3073



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.7551, 0.2754, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7916, 0.2351, 0.3073 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(105, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 237, 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(105, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.7916, 0.2351, 0.3073 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(105, 237, 255) }
```

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

```
.border{ border-color:rgb(105, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7916, 0.2351, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 237, 255) }
```

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

```
.background{ background-color: rgb(105,  
237, 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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