

Converting Colors

$Yxy(65.9209, 0.2311, 0.2972)$

Have a look what the booklet for
Yxy(65.9209, 0.2311, 0.2972)
contains.

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Color

Yxy(65.9679, 0.2313, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	64E5FF
RGB	100, 229, 255
RGB Percent	39%, 90%, 100%
CMY	0.6072, 0.1020, 0.0000
CMYK	0.61, 0.10, 0.00, 0.00
HSL	190°, 100%, 70%
HSV	190°, 61%, 100%
XYZ	51.3404, 65.9679, 104.6563
YIQ	193.3930, -85.2300, -19.2620

Conversions

Conversions Part 2

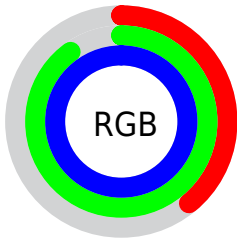
Format	Color
RYB	100, 170, 255
Decimal	6612479
CIELab	84.98, -28.06, -23.27
CIELCh	85, 36.453, 219.678
Yxy	65.9679, 0.2313, 0.2972
Android (android.graphics.Color)	4284802559 (0xFF64E5FF)
YUV	193.3930, 30.3723, -81.9057
Hunter-Lab	81.2206, -29.3043, -19.5433

Details

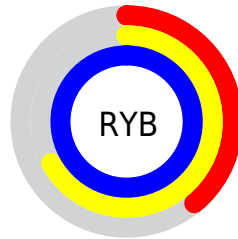
The Yxy color **65.9679, 0.2313, 0.2972** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **37.1493, 0.4871, 0.3546**, and the grayscale version is **53.4505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **33.9644, 0.2135, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **62.3908, 0.2229, 0.2911**, and if you desaturate by 10%, it is **70.0600, 0.2416, 0.3032**.

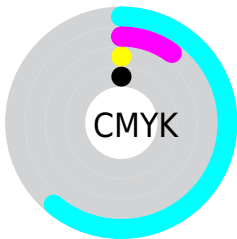
Distribution



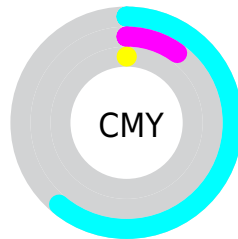
- Red (39%)
- Green (90%)
- Blue (100%)



- Red (39%)
- Yellow (67%)
- Blue (100%)



- Cyan (61%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (61%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9679, 0.2313, 0.2972 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 65.9679, 0.2313, 0.2972 by changing the saturation by 10% instead.


 65.9679, 0.2313,
0.2972


 65.9679, 0.2313,
0.2972


446.2621, 0.2683,
0.3132


 48.2463, 0.2231,
0.2933


 113.4403, 0.2439,
0.3030

 34.0220, 0.2131,
0.2883


 143.9599, 0.2489,
0.3052

 22.9105, 0.2007,
0.2819


 179.5143, 0.2532,
0.3070

 14.5274, 0.1850,
0.2731

220.4878, 0.2570,
0.3086

 8.4884, 0.1646,
0.2608

267.2650, 0.2603,
0.3100

 4.4090, 0.1372,
0.2425

320.2302, 0.2633,

 1.9049, 0.0999,

0.3112

0.2132

379.7677, 0.2659,
0.3122

■ 0.5513, 0.0000,
0.1616

■ 0.0000, 0.0000,
0.0000

■ 65.9679, 0.2313,
0.2972

■ 65.9679, 0.2313,
0.2972

■ 62.3908, 0.2229,
0.2911

■ 70.0600, 0.2416,
0.3032

■ 59.2821, 0.2165,
0.2850

■ 74.7038, 0.2535,
0.3090

■ 56.5894, 0.2120,
0.2790

■ 79.9347, 0.2667,
0.3144

■ 54.3856, 0.2093,
0.2734

■ 85.7844, 0.2811,
0.3196

■ 92.2822, 0.2961,
0.3244

■ 99.4551, 0.3116,
0.3287

■ 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.



65.9679, 0.2495, 0.3399



65.9679, 0.2313, 0.2972



65.9679, 0.2330, 0.2678

Triad

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



65.9679, 0.2313, 0.2972



65.9679, 0.3372, 0.2828



65.9679, 0.3710, 0.4073

Complementary

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



65.9679, 0.2313, 0.2972



37.1493, 0.4871, 0.3546

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.



65.9679, 0.3982, 0.3845



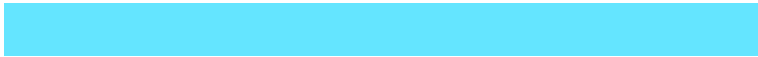
65.9679, 0.2313, 0.2972



65.9679, 0.3788, 0.3141

Square

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



65.9679, 0.2313, 0.2972



65.9679, 0.2912, 0.2621



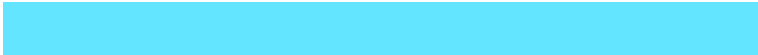
65.9679, 0.4016, 0.3503



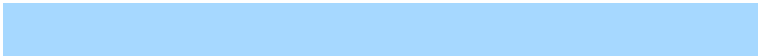
65.9679, 0.3292, 0.4084

Rectangle

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



65.9679, 0.2313, 0.2972



65.9679, 0.2449, 0.2581



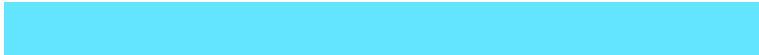
65.9679, 0.4016, 0.3503



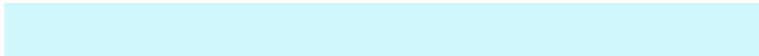
65.9679, 0.3823, 0.4016

Sweetspot

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



65.9686, 0.2313, 0.2972



87.4879, 0.2851, 0.3209



75.7438, 0.2937, 0.4966



18.3366, 0.2808, 0.3195



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.



65.9686, 0.2313, 0.2972



61.6432, 0.2213, 0.2898



32.3210, 0.2081, 0.1949



19.9313, 0.2980, 0.3249



28.6094, 0.2096, 0.2744



2.9171, 0.2115, 0.2813

Inverse Universe

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



36.0610, 0.3447, 0.2073



30.8647, 0.3528, 0.1918



65.0776, 0.4296, 0.4301



18.2449, 0.3164, 0.3094



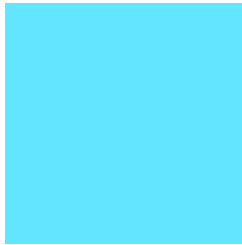
13.6161, 0.3687, 0.1805



1.3390, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 65.9679, 0.2313, 0.2972 looks on a white background.

Color Contrast Check

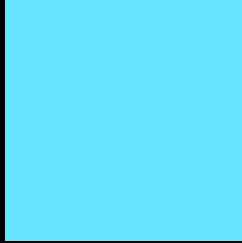
Large Text (above 18pt) WCAG AA × Fail

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 65.9679, 0.2313, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

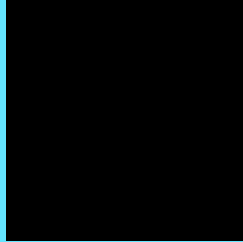
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9679, 0.2313, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 65.9679, 0.2313, 0.2972.

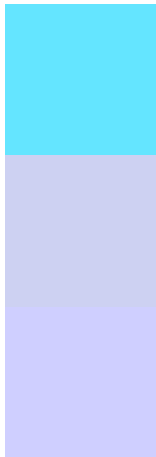


This preview shows how white text looks on a background with the Yxy color 65.9679, 0.2313, 0.2972.

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

65.9679, 0.2313, 0.2972

Protanopia

64.9909, 0.2881, 0.2925

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

65.9746, 0.2330, 0.3054

Trichromacy



Original Color

65.9679, 0.2313, 0.2972



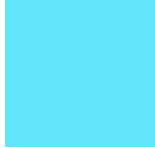
Protanomaly

64.0426, 0.2620, 0.2929



Deuteranomaly

64.1457, 0.2582, 0.2831



Tritanomaly

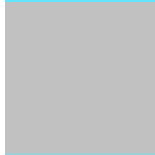
66.1553, 0.2325, 0.3031

Monochromacy



Original Color

65.9679, 0.2313, 0.2972



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.4714, 0.2731, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9679, 0.2313, 0.2972 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(100, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 229, 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(100, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 229, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.9679, 0.2313, 0.2972 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(100, 229, 255) }
```

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

```
.border{ border-color:rgb(100, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 229,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9679, 0.2313, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 229, 255) }
```

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

```
.background{ background-color: rgb(100,  
229, 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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