

Converting Colors

$Yxy(69.8121, 0.2361, 0.2966)$

Have a look what the booklet for
Yxy(69.8121, 0.2361, 0.2966)
contains.

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Color

Yxy(69.2797, 0.2382, 0.3026)

Conversions

Conversions Part 1

Format	Color
Hex	75E9FF
RGB	117, 233, 255
RGB Percent	46%, 91%, 100%
CMY	0.5409, 0.0863, 0.0000
CMYK	0.54, 0.09, 0.00, 0.00
HSL	190°, 100%, 73%
HSV	190°, 54%, 100%
XYZ	54.5354, 69.2797, 105.1330
YIQ	200.8240, -76.1980, -17.7500

Conversions

Conversions Part 2

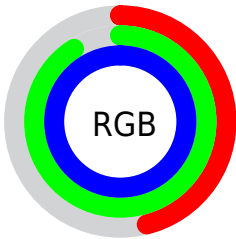
Format	Color
RYB	117, 180, 255
Decimal	7727615
CIELab	86.64, -26.94, -20.71
CIELCh	87, 33.982, 217.544
Yxy	69.2797, 0.2382, 0.3026
Android (android.graphics.Color)	4285917695 (0xFF75E9FF)
YUV	200.8240, 26.7088, -73.5136
Hunter-Lab	83.2344, -28.7065, -16.6248

Details

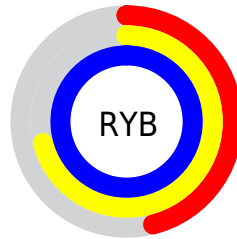
The Yxy color **69.2797, 0.2382, 0.3026** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.0336, 0.4602, 0.3517**, and the grayscale version is **58.1710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **36.1258, 0.2217, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **65.4695, 0.2287, 0.2969**, and if you desaturate by 10%, it is **73.6249, 0.2495, 0.3082**.

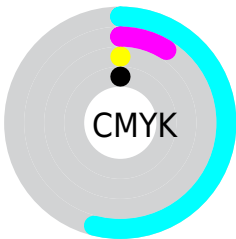
Distribution



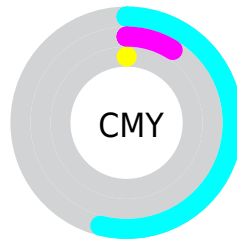
- Red (46%)
- Green (91%)
- Blue (100%)



- Red (46%)
- Yellow (71%)
- Blue (100%)



- Cyan (54%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (54%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2797, 0.2382, 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 69.2797, 0.2382, 0.3026 by changing the saturation by 10% instead.


 69.2797, 0.2382,
0.3026


 69.2797, 0.2382,
0.3026


458.0168, 0.2719,
0.3158


 50.9395, 0.2307,
0.2994


 118.1810, 0.2497,
0.3074

 36.1605, 0.2217,
0.2953


 149.5109, 0.2542,
0.3092

 24.5582, 0.2104,
0.2900


 185.9395, 0.2582,
0.3107

 15.7482, 0.1961,
0.2828

227.8512, 0.2616,
0.3120

 9.3461, 0.1774,
0.2727

275.6304, 0.2646,
0.3132

 4.9676, 0.1521,
0.2575

329.6615, 0.2673,

 2.2283, 0.1171,

0.3142

0.2331

390.3288, 0.2697,
0.3150

0.7354, 0.0112,
0.1999

0.0000, 0.0000,
0.0000

69.2797, 0.2382,
0.3026

69.2797, 0.2382,
0.3026

65.4695, 0.2287,
0.2969

73.6249, 0.2495,
0.3082

62.1526, 0.2211,
0.2912

78.5398, 0.2622,
0.3135

59.2826, 0.2154,
0.2854

84.0573, 0.2762,
0.3185

56.8023, 0.2117,
0.2797

90.2074, 0.2910,
0.3231

■ 55.4717, 0.2101,
0.2763

■ 97.0179, 0.3063,
0.3274

100.0000, 0.3127,
0.3290

Harmonies

Analogous

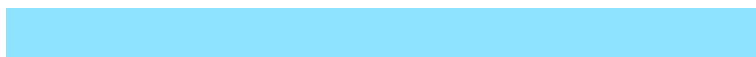
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2797, 0.2564, 0.3421



69.2797, 0.2382, 0.3026



69.2797, 0.2384, 0.2742

Triad

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



69.2797, 0.2382, 0.3026



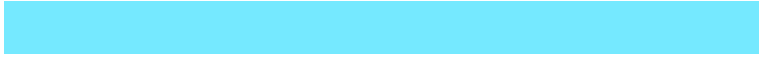
69.2797, 0.3323, 0.2846



69.2797, 0.3688, 0.4000

Complementary

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



69.2797, 0.2382, 0.3026



41.0336, 0.4602, 0.3517

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.



69.2797, 0.3923, 0.3784



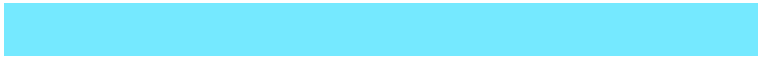
69.2797, 0.2382, 0.3026



69.2797, 0.3710, 0.3132

Square

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



69.2797, 0.2382, 0.3026



69.2797, 0.2903, 0.2662



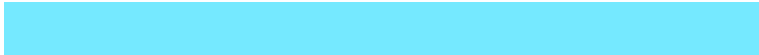
69.2797, 0.3935, 0.3467



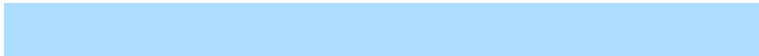
69.2797, 0.3310, 0.4022

Rectangle

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



69.2797, 0.2382, 0.3026



69.2797, 0.2487, 0.2642



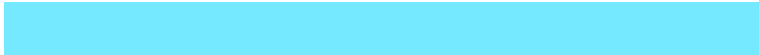
69.2797, 0.3935, 0.3467



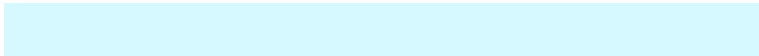
69.2797, 0.3787, 0.3945

Sweetspot

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



69.2801, 0.2382, 0.3026



88.9828, 0.2881, 0.3222



77.1347, 0.2959, 0.4787



18.7691, 0.2850, 0.3213



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.



69.2801, 0.2382, 0.3026



65.1480, 0.2279, 0.2964



38.0417, 0.2200, 0.2151



19.9587, 0.2980, 0.3251



29.1697, 0.2104, 0.2773



2.9666, 0.2122, 0.2838

Inverse Universe

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



39.8815, 0.3392, 0.2171



34.0787, 0.3460, 0.2001



67.0382, 0.4168, 0.4190



18.2476, 0.3163, 0.3093



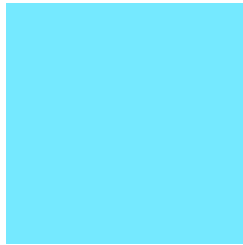
13.6727, 0.3660, 0.1790



1.3440, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 69.2797, 0.2382, 0.3026 looks on a white background.

Color Contrast Check

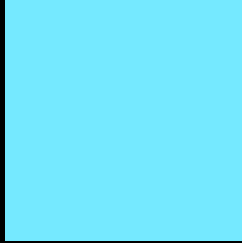
Large Text (above 18pt) WCAG AA × Fail

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 69.2797, 0.2382, 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 69.2797, 0.2382, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 69.2797, 0.2382, 0.3026.



This preview shows how white text looks on a background with the Yxy color 69.2797, 0.2382, 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

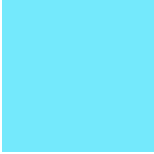
69.2797, 0.2382, 0.3026

Protanopia

68.4131, 0.2917, 0.2975

Deuteranopia

68.2556, 0.2869, 0.2823



Tritanopia

69.0191, 0.2391, 0.3061

Trichromacy



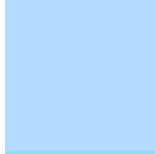
Original Color

69.2797, 0.2382, 0.3026



Protanomaly

67.7754, 0.2684, 0.2993



Deuteranomaly

67.4667, 0.2651, 0.2886



Tritanomaly

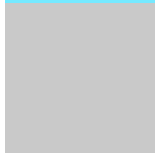
69.0827, 0.2387, 0.3049

Monochromacy



Original Color

69.2797, 0.2382, 0.3026



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.3550, 0.2779, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2797, 0.2382, 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(117, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.2797, 0.2382, 0.3026 is called "border". The border property can be set on classes, ids or directly on the HTML element.

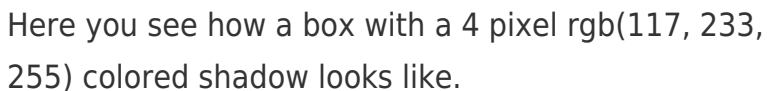
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 233, 255) }
```

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

```
.border{ border-color:rgb(117, 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(117, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2797, 0.2382, 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(117, 233, 255) }
```

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

```
.background{ background-color: rgb(117,  
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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