

Converting Colors

$Yxy(67.9482, 0.2336, 0.3012)$

Have a look what the booklet for
Yxy(67.9482, 0.2336, 0.3012)
contains.

Yxy(67.9365, 0.2337, 0.3011)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.9365, 0.2337, 0.3011)

Conversions

Conversions Part 1

Format	Color
Hex	69E8FF
RGB	105, 232, 255
RGB Percent	41%, 91%, 100%
CMY	0.5885, 0.0902, 0.0000
CMYK	0.59, 0.09, 0.00, 0.00
HSL	189°, 100%, 71%
HSV	189°, 59%, 100%
XYZ	52.7292, 67.9365, 104.9620
YIQ	196.6490, -83.0750, -19.7710

Conversions

Conversions Part 2

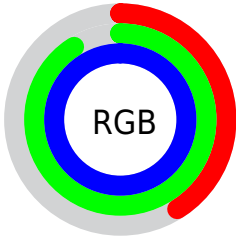
Format	Color
RYB	105, 174, 255
Decimal	6940927
CIELab	85.97, -28.70, -21.75
CIELCh	86, 36.015, 217.154
Yxy	67.9365, 0.2337, 0.3011
Android (android.graphics.Color)	4285131007 (0xFF69E8FF)
YUV	196.6490, 28.7670, -80.3762
Hunter-Lab	82.4236, -30.0488, -17.8061

Details

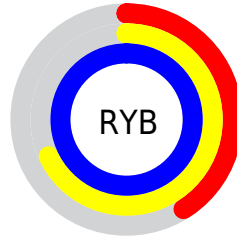
The Yxy color **67.9365, 0.2337, 0.3011** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.6981, 0.4808, 0.3520**, and the grayscale version is **55.4638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **35.2663, 0.2163, 0.2936** is the 20% darker color. If you saturate the color by 10%, you get **64.4437, 0.2252, 0.2956**, and if you desaturate by 10%, it is **71.9426, 0.2441, 0.3065**.

Distribution



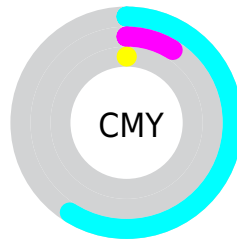
- Red (41%)
- Green (91%)
- Blue (100%)



- Red (41%)
- Yellow (68%)
- Blue (100%)



- Cyan (59%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (59%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9365, 0.2337, 0.3011 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 67.9365, 0.2337, 0.3011 by changing the saturation by 10% instead.


 67.9365, 0.2337,
0.3011

 67.9365, 0.2337,
0.3011

453.2710, 0.2695,
0.3152

 49.8461, 0.2258,
0.2976


 116.2613, 0.2459,
0.3062

 35.2911, 0.2162,
0.2933


 147.2645, 0.2507,
0.3081

 23.8872, 0.2042,
0.2875


 183.3407, 0.2549,
0.3097

 15.2500, 0.1891,
0.2798

224.8743, 0.2585,
0.3111

 8.9950, 0.1694,
0.2688

272.2497, 0.2617,
0.3123

 4.7379, 0.1429,
0.2524

325.8514, 0.2646,

 2.0943, 0.1066,

0.3134

0.2260

386.0637, 0.2672,
0.3143

0.6614, 0.0000,
0.1864

0.0000, 0.0000,
0.0000

67.9365, 0.2337,
0.3011

67.9365, 0.2337,
0.3011

64.4437, 0.2252,
0.2956

71.9426, 0.2441,
0.3065

61.4185, 0.2186,
0.2901

76.4971, 0.2561,
0.3117

58.8107, 0.2139,
0.2846

81.6351, 0.2695,
0.3166

56.5461, 0.2110,
0.2792

87.3875, 0.2839,
0.3213

■ 56.2964, 0.2107,
0.2785

■ 93.7830, 0.2990,
0.3255

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.



67.9365, 0.2531, 0.3435



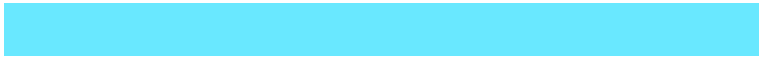
67.9365, 0.2337, 0.3011



67.9365, 0.2337, 0.2709

Triad

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



67.9365, 0.2337, 0.3011



67.9365, 0.3329, 0.2815



67.9365, 0.3728, 0.4045

Complementary

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



67.9365, 0.2337, 0.3011



37.6981, 0.4808, 0.3520

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.



67.9365, 0.3977, 0.3809



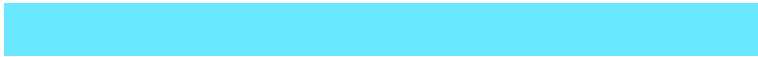
67.9365, 0.2337, 0.3011



67.9365, 0.3744, 0.3116

Square

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



67.9365, 0.2337, 0.3011



67.9365, 0.2882, 0.2623



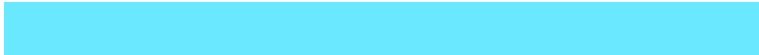
67.9365, 0.3988, 0.3470



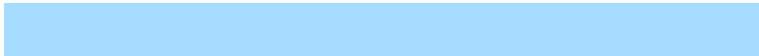
67.9365, 0.3326, 0.4075

Rectangle

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



67.9365, 0.2337, 0.3011



67.9365, 0.2444, 0.2603



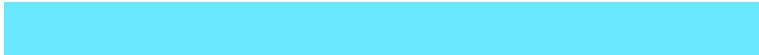
67.9365, 0.3988, 0.3470



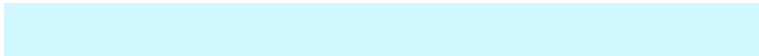
67.9365, 0.3833, 0.3984

Sweetspot

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



67.9374, 0.2337, 0.3011



87.9048, 0.2851, 0.3216



76.0634, 0.2950, 0.4939



18.4396, 0.2808, 0.3203



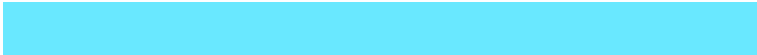
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



67.9374, 0.2337, 0.3011



63.7549, 0.2236, 0.2944



34.4888, 0.2120, 0.2030



19.9793, 0.2980, 0.3253



29.5950, 0.2110, 0.2794



3.0041, 0.2127, 0.2857

Inverse Universe

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



37.1768, 0.3412, 0.2085



31.7114, 0.3485, 0.1919



64.7442, 0.4273, 0.4254



18.2497, 0.3162, 0.3091



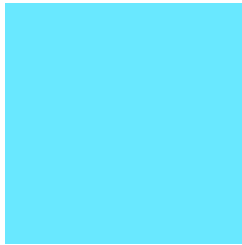
13.7156, 0.3640, 0.1779



1.3478, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 67.9365, 0.2337, 0.3011 looks on a white background.

Color Contrast Check

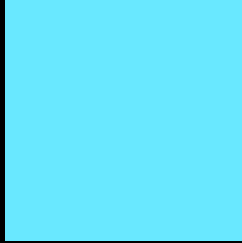
Large Text (above 18pt) WCAG AA × Fail

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 67.9365, 0.2337, 0.3011 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 67.9365, 0.2337, 0.3011

Background



This preview shows how black text looks on a background with the Yxy color 67.9365, 0.2337, 0.3011.

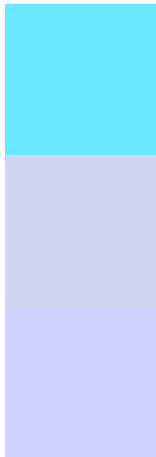


This preview shows how white text looks on a background with the Yxy color 67.9365, 0.2337, 0.3011.

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

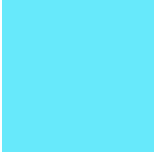
67.9365, 0.2337, 0.3011

Protanopia

67.0531, 0.2909, 0.2962

Deuteranopia

67.1621, 0.2842, 0.2809



Tritanopia

68.1264, 0.2350, 0.3070

Trichromacy



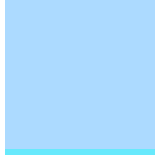
Original Color

67.9365, 0.2337, 0.3011



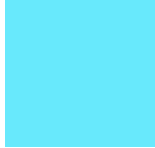
Protanomaly

66.0364, 0.2647, 0.2967



Deuteranomaly

66.1335, 0.2609, 0.2869



Tritanomaly

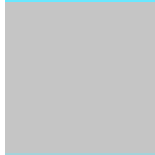
68.2492, 0.2349, 0.3058

Monochromacy



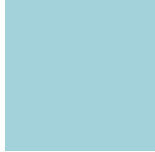
Original Color

67.9365, 0.2337, 0.3011



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.0477, 0.2756, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9365, 0.2337, 0.3011 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.9365, 0.2337, 0.3011 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, 232, 255) }
```

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

```
.border{ border-color:rgb(105, 232, 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, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9365, 0.2337, 0.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 232, 255) }
```

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

```
.background{ background-color: rgb(105,  
232, 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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