

Converting Colors

$Yxy(67.9340, 0.2367, 0.3112)$

Have a look what the booklet for
Yxy(67.9340, 0.2367, 0.3112)
contains.

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Color

Yxy(67.9363, 0.2369, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	68E9F7
RGB	104, 233, 247
RGB Percent	41%, 91%, 97%
CMY	0.5922, 0.0862, 0.0314
CMYK	0.58, 0.06, 0.00, 0.03
HSL	186°, 90%, 69%
HSV	186°, 58%, 97%
XYZ	51.6333, 67.9363, 98.3845
YIQ	196.0250, -81.3780, -22.9940

Conversions

Conversions Part 2

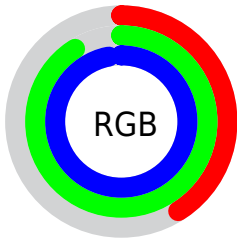
Format	Color
RYB	104, 172, 247
Decimal	6875639
CIELab	85.97, -31.57, -17.54
CIELCh	86, 36.113, 209.049
Yxy	67.9363, 0.2369, 0.3117
Android (android.graphics.Color)	4285065719 (0xFF68E9F7)
YUV	196.0250, 25.1307, -80.7059
Hunter-Lab	82.4235, -32.4216, -13.0749

Details

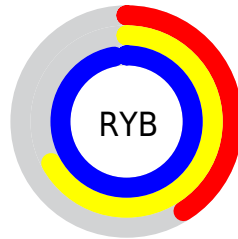
The Yxy color **67.9363, 0.2369, 0.3117** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.7222, 0.4822, 0.3436**, and the grayscale version is **55.0985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **35.3443, 0.2198, 0.3060** is the 20% darker color. If you saturate the color by 10%, you get **65.3126, 0.2289, 0.3083**, and if you desaturate by 10%, it is **71.0166, 0.2468, 0.3151**.

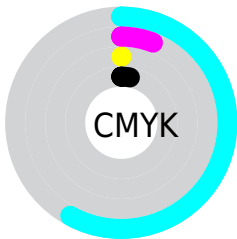
Distribution



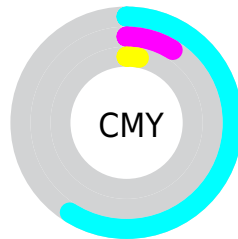
- Red (41%)
- Green (91%)
- Blue (97%)



- Red (41%)
- Yellow (67%)
- Blue (97%)



- Cyan (58%)
- Magenta (6%)
- Yellow (0%)
- Black (3%)




- Cyan (59%)
- Magenta (9%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9363, 0.2369, 0.3117 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 67.9363, 0.2369, 0.3117 by changing the saturation by 10% instead.


 67.9363, 0.2369,
0.3117

 67.9363, 0.2369,
0.3117

453.2703, 0.2713,
0.3208

 49.8459, 0.2292,
0.3094


 116.2610, 0.2487,
0.3151

 35.2910, 0.2199,
0.3063


 147.2641, 0.2533,
0.3163

 23.8871, 0.2083,
0.3023


 183.3403, 0.2573,
0.3174

 15.2499, 0.1934,
0.2968

224.8738, 0.2608,
0.3183

 8.9950, 0.1740,
0.2887

272.2492, 0.2639,
0.3190

 4.7379, 0.1476,
0.2761

325.8508, 0.2667,

 2.0943, 0.1108,

0.3197

0.2545

386.0631, 0.2691,
0.3203

0.6614, 0.0000,
0.2221

0.0000, 0.0000,
0.0000

67.9363, 0.2369,
0.3117

67.9363, 0.2369,
0.3117

65.3126, 0.2289,
0.3083

71.0166, 0.2468,
0.3151

63.0986, 0.2229,
0.3049

74.5800, 0.2583,
0.3183

61.2509, 0.2188,
0.3015

78.6603, 0.2713,
0.3214

59.7071, 0.2164,
0.2981

83.2855, 0.2855,
0.3243

■ 59.4029, 0.2160,
0.2974

■ 88.4820, 0.3005,
0.3270

■ 94.2742, 0.3160,
0.3295

■ 96.2973, 0.3177,
0.3318

■ 97.8079, 0.3175,
0.3341

■ 99.3379, 0.3174,
0.3364

Harmonies

Analogous

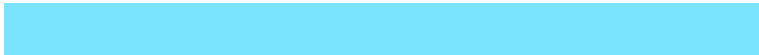
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.9363, 0.2613, 0.3555



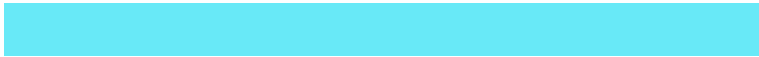
67.9363, 0.2369, 0.3117



67.9363, 0.2315, 0.2773

Triad

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



67.9363, 0.2369, 0.3117



67.9363, 0.3205, 0.2749



67.9363, 0.3816, 0.3999

Complementary

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



67.9363, 0.2369, 0.3117



33.7222, 0.4822, 0.3436

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.



67.9363, 0.4008, 0.3724



67.9363, 0.2369, 0.3117



67.9363, 0.3645, 0.3026

Square

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



67.9363, 0.2369, 0.3117



67.9363, 0.2772, 0.2593



67.9363, 0.3947, 0.3373



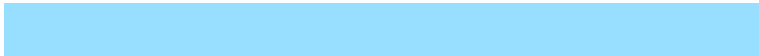
67.9363, 0.3444, 0.4094

Rectangle

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



67.9363, 0.2369, 0.3117



67.9363, 0.2388, 0.2634



67.9363, 0.3947, 0.3373



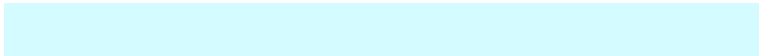
67.9363, 0.3905, 0.3922

Sweetspot

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



67.9389, 0.2369, 0.3117



90.0092, 0.2868, 0.3246



70.7205, 0.2992, 0.5024



19.0388, 0.2838, 0.3240



0.0000, 0.0000, 0.0000



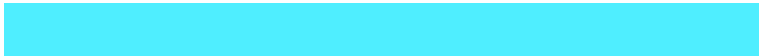
21.4041, 0.3127, 0.3290

Same Dimension

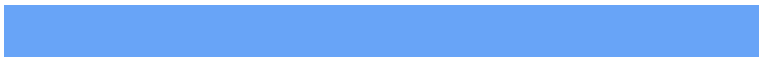
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.9389, 0.2369, 0.3117



69.9100, 0.2281, 0.3079



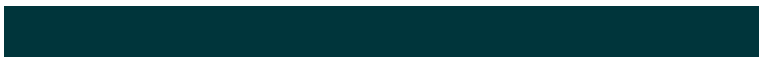
36.0540, 0.2166, 0.2187



18.4644, 0.2981, 0.3266



31.5347, 0.2161, 0.2980



2.8504, 0.2173, 0.3022

Inverse Universe

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



35.5535, 0.3325, 0.2038



33.0198, 0.3369, 0.1872



56.4860, 0.4314, 0.4150



16.7387, 0.3153, 0.3079



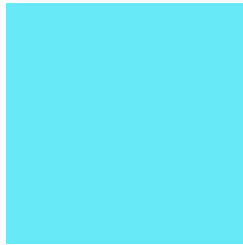
13.2828, 0.3472, 0.1686



1.1754, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 67.9363, 0.2369, 0.3117 looks on a white background.

Color Contrast Check

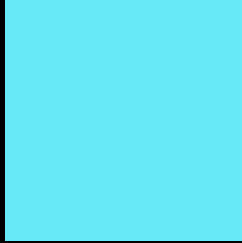
Large Text (above 18pt) WCAG AA × Fail

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 67.9363, 0.2369, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

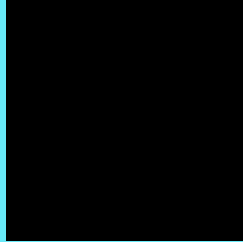
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

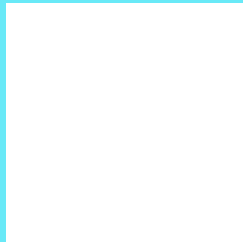
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9363, 0.2369, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 67.9363, 0.2369, 0.3117.

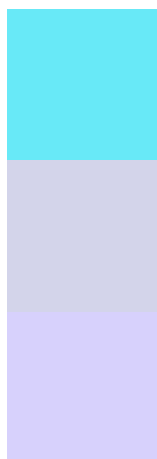


This preview shows how white text looks on a background with the Yxy color 67.9363, 0.2369, 0.3117.

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

67.9363, 0.2369, 0.3117

Protanopia

66.8764, 0.2974, 0.3048

Deuteranopia

67.0763, 0.2887, 0.2831



Tritanopia

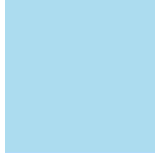
67.7424, 0.2357, 0.3058

Trichromacy



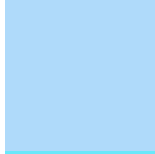
Original Color

67.9363, 0.2369, 0.3117



Protanomaly

66.1891, 0.2697, 0.3068



Deuteranomaly

66.1589, 0.2653, 0.2925



Tritanomaly

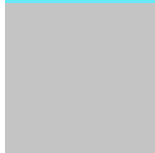
67.6186, 0.2357, 0.3069

Monochromacy



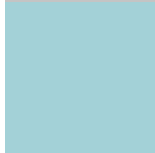
Original Color

67.9363, 0.2369, 0.3117



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.2938, 0.2766, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9363, 0.2369, 0.3117 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(104, 233, 247)` looks like.

```
.text, #text, p{  
    color:rgb(104, 233, 247)  
}
```

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(104, 233, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 233, 247) }
```

Border

The CSS property to change the border of an element to Yxy 67.9363, 0.2369, 0.3117 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(104, 233, 247) }
```

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

```
.border{ border-color:rgb(104, 233, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 233, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 233, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 233, 247);  
box-shadow:4px 4px 4px 4px rgb(104, 233,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9363, 0.2369, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 233, 247) }
```

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

```
.background{ background-color: rgb(104,  
233, 247) }
```

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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