

Converting Colors

$Y_{xy}(70.3077, 0.2355, 0.3060)$

Have a look what the booklet for
Yxy(70.3077, 0.2355, 0.3060)
contains.

Yxy(70.3367, 0.2355, 0.3061)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.3367, 0.2355, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	6BECFF
RGB	107, 236, 255
RGB Percent	42%, 93%, 100%
CMY	0.5801, 0.0745, 0.0000
CMYK	0.58, 0.07, 0.00, 0.00
HSL	188°, 100%, 71%
HSV	188°, 58%, 100%
XYZ	54.1140, 70.3367, 105.3327
YIQ	199.5950, -82.9830, -21.4390

Conversions

Conversions Part 2

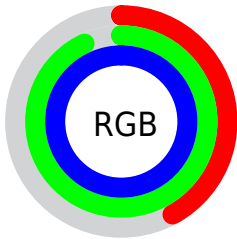
Format	Color
RYB	107, 176, 255
Decimal	7073023
CIELab	87.16, -30.26, -19.94
CIELCh	87, 36.234, 213.383
Yxy	70.3367, 0.2355, 0.3061
Android (android.graphics.Color)	4285263103 (0xFF6BECFF)
YUV	199.5950, 27.3147, -81.2058
Hunter-Lab	83.8670, -31.5926, -15.7584

Details

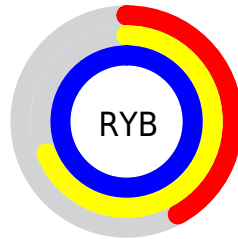
The Yxy color **70.3367, 0.2355, 0.3061** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.2616, 0.4799, 0.3481**, and the grayscale version is **57.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **36.9139, 0.2187, 0.3003** is the 20% darker color. If you saturate the color by 10%, you get **67.1149, 0.2271, 0.3016**, and if you desaturate by 10%, it is **74.0641, 0.2457, 0.3106**.

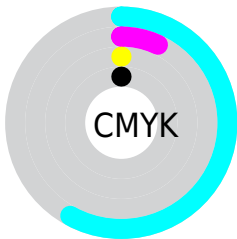
Distribution



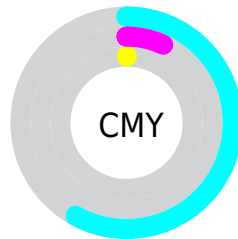
- Red (42%)
- Green (93%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3367, 0.2355, 0.3061 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 70.3367, 0.2355, 0.3061 by changing the saturation by 10% instead.

 70.3367, 0.2355,
0.3061

 70.3367, 0.2355,
0.3061


461.7313, 0.2703,
0.3178


 51.8011, 0.2278,
0.3032


 119.6888, 0.2474,
0.3103

 36.8465, 0.2185,
0.2995


 151.2740, 0.2520,
0.3119

 25.0887, 0.2070,
0.2947


 187.9780, 0.2561,
0.3133

 16.1431, 0.1923,
0.2881

230.1849, 0.2596,
0.3144

 9.6255, 0.1733,
0.2788

278.2794, 0.2628,
0.3154

 5.1514, 0.1477,
0.2647

332.6456, 0.2656,

 2.3363, 0.1126,

0.3163

0.2417

393.6682, 0.2680,
0.3171

0.7928, 0.0040,
0.2126

0.0000, 0.0000,
0.0000

70.3367, 0.2355,
0.3061

70.3367, 0.2355,
0.3061

67.1149, 0.2271,
0.3016

74.0641, 0.2457,
0.3106

64.3486, 0.2207,
0.2970


78.3268, 0.2576,
0.3149

61.9903, 0.2163,
0.2924

83.1610, 0.2709,
0.3190

59.9722, 0.2135,
0.2879

88.5975, 0.2852,
0.3228

 59.5928, 0.2131,
0.2870

 94.6646, 0.3003,
0.3264

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.



70.3367, 0.2572, 0.3490



70.3367, 0.2355, 0.3061



70.3367, 0.2330, 0.2741

Triad

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



70.3367, 0.2355, 0.3061



70.3367, 0.3271, 0.2787



70.3367, 0.3766, 0.4020

Complementary

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



70.3367, 0.2355, 0.3061



37.2616, 0.4799, 0.3481

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.



70.3367, 0.3988, 0.3768



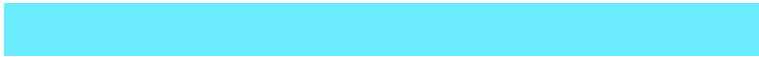
70.3367, 0.2355, 0.3061



70.3367, 0.3696, 0.3075

Square

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



70.3367, 0.2355, 0.3061



70.3367, 0.2832, 0.2612



70.3367, 0.3965, 0.3424



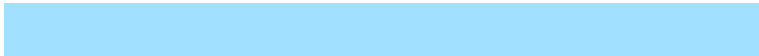
70.3367, 0.3380, 0.4081

Rectangle

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



70.3367, 0.2355, 0.3061



70.3367, 0.2421, 0.2620



70.3367, 0.3965, 0.3424



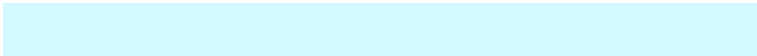
70.3367, 0.3864, 0.3952

Sweetspot

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



70.3392, 0.2355, 0.3061



89.1836, 0.2867, 0.3232



76.1132, 0.2972, 0.4972



18.8418, 0.2837, 0.3224



0.0000, 0.0000, 0.0000



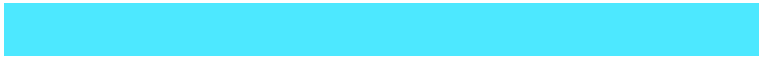
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3392, 0.2355, 0.3061



66.5305, 0.2257, 0.3006



36.8194, 0.2148, 0.2117



20.0598, 0.2980, 0.3259



31.2943, 0.2133, 0.2878



3.1533, 0.2147, 0.2929

Inverse Universe

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



37.8447, 0.3370, 0.2069



32.3283, 0.3431, 0.1898



62.8443, 0.4286, 0.4199



18.2578, 0.3158, 0.3085



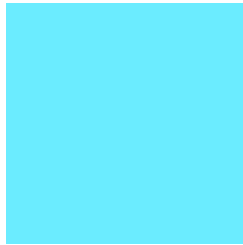
13.8871, 0.3563, 0.1737



1.3629, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 70.3367, 0.2355, 0.3061 looks on a white background.

Color Contrast Check

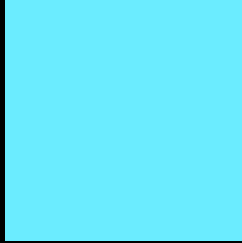
Large Text (above 18pt) WCAG AA × Fail

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 70.3367, 0.2355, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

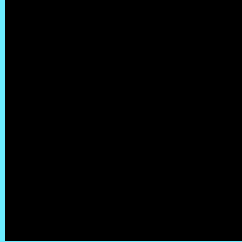
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3367, 0.2355, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 70.3367, 0.2355, 0.3061.

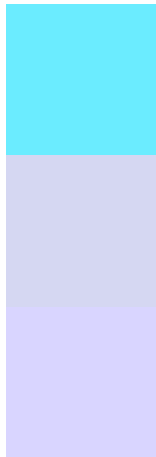


This preview shows how white text looks on a background with the Yxy color 70.3367, 0.2355, 0.3061.

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

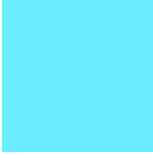
70.3367, 0.2355, 0.3061

Protanopia

69.1578, 0.2937, 0.2998

Deuteranopia

69.5602, 0.2884, 0.2847



Tritanopia

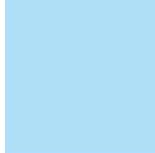
70.3991, 0.2358, 0.3061

Trichromacy



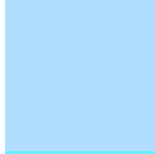
Original Color

70.3367, 0.2355, 0.3061



Protanomaly

68.4894, 0.2669, 0.3015



Deuteranomaly

68.2800, 0.2642, 0.2908



Tritanomaly

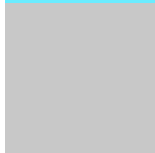
70.3991, 0.2358, 0.3061

Monochromacy



Original Color

70.3367, 0.2355, 0.3061



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.8628, 0.2760, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3367, 0.2355, 0.3061 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(107, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 236, 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(107, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3367, 0.2355, 0.3061 is called "border". The border property can be set on classes, ids or directly on the HTML element.

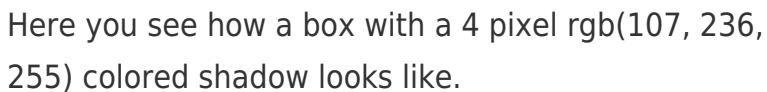
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 236, 255) }
```

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

```
.border{ border-color:rgb(107, 236, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 236, 255); box-shadow:4px 4px 4px 4px rgb(107, 236, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3367, 0.2355, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 236, 255) }
```

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

```
.background{ background-color: rgb(107,  
236, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor