

Converting Colors

$Y_{xy}(71.3292, 0.2176, 0.2477)$

Have a look what the booklet for
Yxy(71.3292, 0.2176, 0.2477)
contains.

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Color

Yxy(67.3243, 0.2360, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	71E6FF
RGB	113, 230, 255
RGB Percent	44%, 90%, 100%
CMY	0.5562, 0.0981, 0.0000
CMYK	0.56, 0.10, 0.00, 0.00
HSL	191°, 100%, 72%
HSV	191°, 56%, 100%
XYZ	53.1745, 67.3243, 104.8168
YIQ	197.8670, -77.7570, -17.0290

Conversions

Conversions Part 2

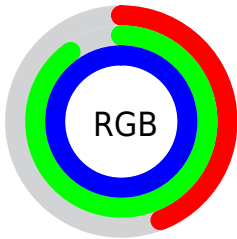
Format	Color
RYB	113, 177, 255
Decimal	7464703
CIELab	85.67, -26.23, -22.19
CIELCh	86, 34.355, 220.234
Yxy	67.3243, 0.2360, 0.2988
Android (android.graphics.Color)	4285654783 (0xFF71E6FF)
YUV	197.8670, 28.1666, -74.4284
Hunter-Lab	82.0514, -27.9107, -18.3042

Details

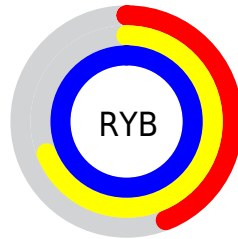
The Yxy color **67.3243, 0.2360, 0.2988** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.6853, 0.4649, 0.3546**, and the grayscale version is **56.2726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **34.8004, 0.2188, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **63.3912, 0.2265, 0.2925**, and if you desaturate by 10%, it is **71.7996, 0.2472, 0.3050**.

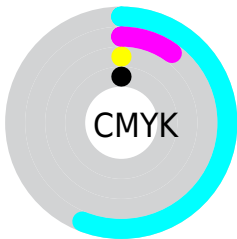
Distribution



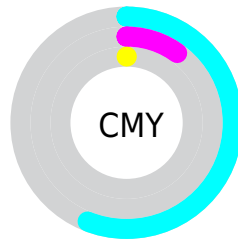
- Red (44%)
- Green (90%)
- Blue (100%)



- Red (44%)
- Yellow (69%)
- Blue (100%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3243, 0.2360, 0.2988 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 67.3243, 0.2360, 0.2988 by changing the saturation by 10% instead.


 67.3243, 0.2360,
0.2988

 67.3243, 0.2360,
0.2988

451.0982, 0.2708,
0.3139


 49.3482, 0.2283,
0.2951

 115.3850, 0.2479,
0.3042

 34.8958, 0.2189,
0.2905


 146.2384, 0.2526,
0.3063

 23.5826, 0.2072,
0.2845


 182.1530, 0.2566,
0.3080

 15.0243, 0.1923,
0.2763

223.5132, 0.2602,
0.3095

 8.8364, 0.1729,
0.2649

270.7035, 0.2633,
0.3108

 4.6346, 0.1468,
0.2479

324.1081, 0.2661,

 2.0345, 0.1106,

0.3120

0.2207

384.1116, 0.2686,
0.3130

0.6274, 0.0000,
0.1792

0.0000, 0.0000,
0.0000

67.3243, 0.2360,
0.2988

67.3243, 0.2360,
0.2988

63.3912, 0.2265,
0.2925

71.7996, 0.2472,
0.3050

59.9554, 0.2190,
0.2860

76.8502, 0.2600,
0.3109

56.9698, 0.2134,
0.2796

82.5104, 0.2739,
0.3165

54.3748, 0.2097,
0.2732

88.8106, 0.2887,
0.3217

■ 53.3239, 0.2085,
0.2705

■ 95.7791, 0.3040,
0.3265

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.



67.3243, 0.2529, 0.3386



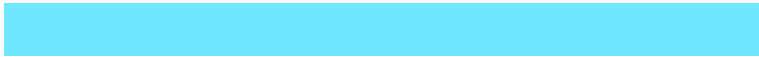
67.3243, 0.2360, 0.2988



67.3243, 0.2379, 0.2713

Triad

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



67.3243, 0.2360, 0.2988



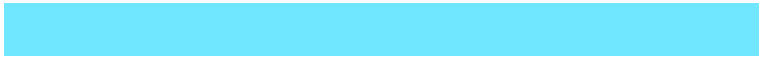
67.3243, 0.3365, 0.2860



67.3243, 0.3669, 0.4026

Complementary

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



67.3243, 0.2360, 0.2988



40.6853, 0.4649, 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.



67.3243, 0.3926, 0.3819



67.3243, 0.2360, 0.2988



67.3243, 0.3751, 0.3158

Square

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



67.3243, 0.2360, 0.2988



67.3243, 0.2934, 0.2662



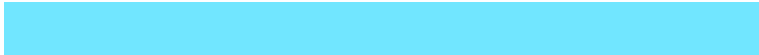
67.3243, 0.3961, 0.3500



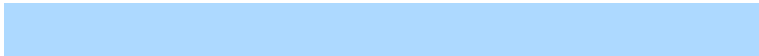
67.3243, 0.3276, 0.4028

Rectangle

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



67.3243, 0.2360, 0.2988



67.3243, 0.2494, 0.2622



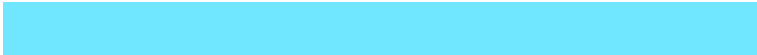
67.3243, 0.3961, 0.3500



67.3243, 0.3775, 0.3975

Sweetspot

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



67.3255, 0.2360, 0.2988



87.9032, 0.2866, 0.3210



76.8422, 0.2946, 0.4806



18.5366, 0.2836, 0.3200



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.



67.3255, 0.2360, 0.2988



62.8890, 0.2254, 0.2916



36.0372, 0.2167, 0.2081



19.9042, 0.2980, 0.3247



28.0616, 0.2088, 0.2715



2.8687, 0.2108, 0.2788

Inverse Universe

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



38.8192, 0.3426, 0.2164



33.0528, 0.3504, 0.1997



67.4321, 0.4188, 0.4232



18.2421, 0.3165, 0.3096



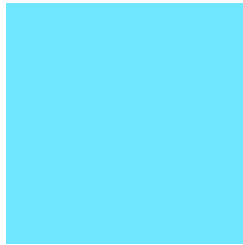
13.5608, 0.3714, 0.1820



1.3341, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 67.3243, 0.2360, 0.2988 looks on a white background.

Color Contrast Check

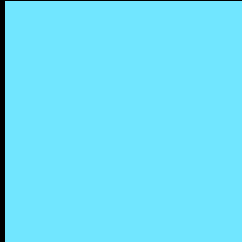
Large Text (above 18pt) WCAG AA × Fail

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 67.3243, 0.2360, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

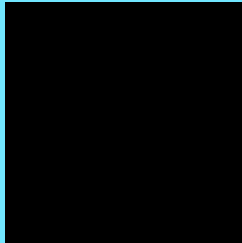
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3243, 0.2360, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 67.3243, 0.2360, 0.2988.



This preview shows how white text looks on a background with the Yxy color 67.3243, 0.2360, 0.2988.

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

67.3243, 0.2360, 0.2988

Protanopia

66.4695, 0.2896, 0.2939

Deuteranopia

66.5226, 0.2835, 0.2797



Tritanopia

67.4335, 0.2376, 0.3058

Trichromacy



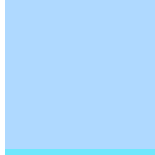
Original Color

67.3243, 0.2360, 0.2988



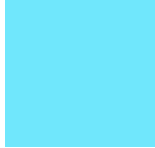
Protanomaly

65.8569, 0.2663, 0.2956



Deuteranomaly

65.9597, 0.2625, 0.2860



Tritanomaly

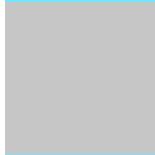
67.6248, 0.2371, 0.3035

Monochromacy



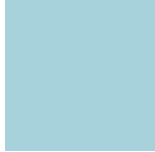
Original Color

67.3243, 0.2360, 0.2988



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.4231, 0.2769, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3243, 0.2360, 0.2988 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(113, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 230, 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(113, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 67.3243, 0.2360, 0.2988 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(113, 230, 255) }
```

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

```
.border{ border-color:rgb(113, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(113, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(113, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3243, 0.2360, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 230, 255) }
```

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

```
.background{ background-color: rgb(113,  
230, 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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