

Converting Colors

$Y_{xy}(65.9051, 0.2389, 0.2948)$

Have a look what the booklet for
Yxy(65.9051, 0.2389, 0.2948)
contains.

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Color

Yxy(65.8237, 0.2387, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	7BE2FF
RGB	123, 226, 255
RGB Percent	48%, 89%, 100%
CMY	0.5180, 0.1137, 0.0000
CMYK	0.52, 0.11, 0.00, 0.00
HSL	193°, 100%, 74%
HSV	193°, 52%, 100%
XYZ	53.4062, 65.8237, 104.5080
YIQ	198.5090, -70.6970, -12.8170

Conversions

Conversions Part 2

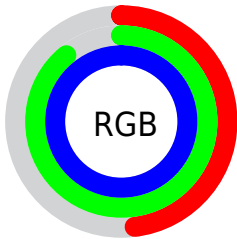
Format	Color
RYB	123, 181, 255
Decimal	8119039
CIELab	84.91, -22.35, -23.31
CIELCh	85, 32.292, 226.203
Yxy	65.8237, 0.2387, 0.2942
Android (android.graphics.Color)	4286309119 (0xFF7BE2FF)
YUV	198.5090, 27.8501, -66.2214
Hunter-Lab	81.1318, -24.4803, -19.5807

Details

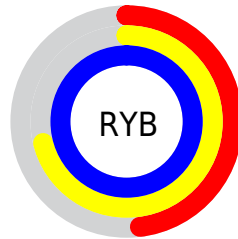
The Yxy color **65.8237, 0.2387, 0.2942** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.1109, 0.4460, 0.3592**, and the grayscale version is **56.6455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **34.1026, 0.2223, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **61.1909, 0.2279, 0.2862**, and if you desaturate by 10%, it is **71.0487, 0.2511, 0.3019**.

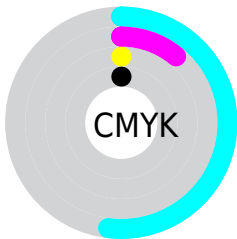
Distribution



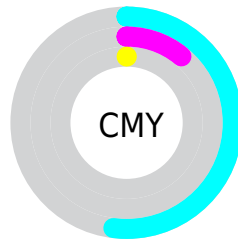
- Red (48%)
- Green (89%)
- Blue (100%)



- Red (48%)
- Yellow (71%)
- Blue (100%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8237, 0.2387, 0.2942 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 65.8237, 0.2387, 0.2942 by changing the saturation by 10% instead.


 65.8237, 0.2387,
0.2942

 65.8237, 0.2387,
0.2942


445.7461, 0.2724,
0.3113


 48.1293, 0.2312,
0.2901


 113.2333, 0.2503,
0.3003

 33.9293, 0.2220,
0.2849


 143.7172, 0.2548,
0.3027

 22.8393, 0.2105,
0.2782


 179.2331, 0.2587,
0.3046

 14.4749, 0.1959,
0.2692

220.1654, 0.2622,
0.3063

 8.4517, 0.1768,
0.2567

266.8985, 0.2652,
0.3078

 4.3853, 0.1508,
0.2382

319.8167, 0.2679,

 1.8913, 0.1146,

0.3091

379.3044, 0.2703,
0.3103

0.2091

0.5432, 0.0000,
0.1603

0.0000, 0.0000,
0.0000

65.8237, 0.2387,
0.2942

65.8237, 0.2387,
0.2942

61.1909, 0.2279,
0.2862

71.0487, 0.2511,
0.3019

57.1055, 0.2190,
0.2781

76.8965, 0.2647,
0.3092

53.5234, 0.2121,
0.2699

83.4012, 0.2793,
0.3160

50.3897, 0.2071,
0.2618

90.5929, 0.2944,
0.3223

■ 48.0869, 0.2042,
0.2552

■ 98.4995, 0.3099,
0.3280

100.0000, 0.3127,
0.3290

Harmonies

Analogous

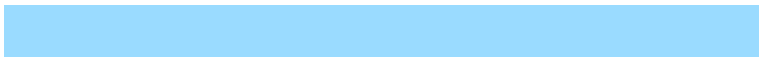
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8237, 0.2514, 0.3302



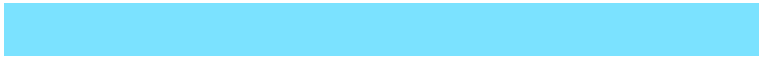
65.8237, 0.2387, 0.2942



65.8237, 0.2441, 0.2709

Triad

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



65.8237, 0.2387, 0.2942



65.8237, 0.3434, 0.2932



65.8237, 0.3575, 0.4005

Complementary

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



65.8237, 0.2387, 0.2942



45.1109, 0.4460, 0.3592

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.



65.8237, 0.3851, 0.3844



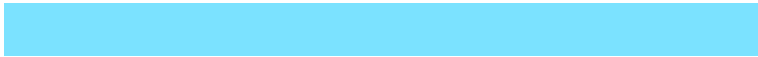
65.8237, 0.2387, 0.2942



65.8237, 0.3773, 0.3229

Square

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



65.8237, 0.2387, 0.2942



65.8237, 0.3024, 0.2720



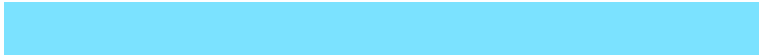
65.8237, 0.3929, 0.3556



65.8237, 0.3189, 0.3958

Rectangle

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



65.8237, 0.2387, 0.2942



65.8237, 0.2573, 0.2643



65.8237, 0.3929, 0.3556



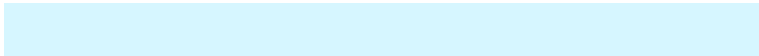
65.8237, 0.3684, 0.3971

Sweetspot

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



65.8253, 0.2387, 0.2942



87.4864, 0.2880, 0.3197



77.9761, 0.2924, 0.4601



18.4096, 0.2849, 0.3184



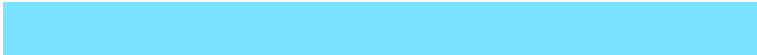
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



65.8253, 0.2387, 0.2942



61.1036, 0.2277, 0.2861



36.6830, 0.2217, 0.2094



19.7652, 0.2980, 0.3237



25.3571, 0.2046, 0.2565



2.6281, 0.2072, 0.2658

Inverse Universe

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



40.8959, 0.3456, 0.2278



34.9745, 0.3543, 0.2119



72.6105, 0.4070, 0.4236



18.2281, 0.3172, 0.3106



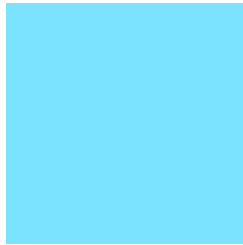
13.2878, 0.3858, 0.1899



1.3099, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 65.8237, 0.2387, 0.2942 looks on a white background.

Color Contrast Check

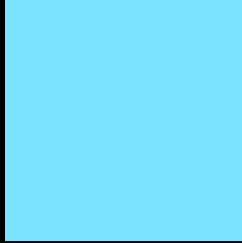
Large Text (above 18pt) WCAG AA × Fail

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 65.8237, 0.2387, 0.2942 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 65.8237, 0.2387, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 65.8237, 0.2387, 0.2942.

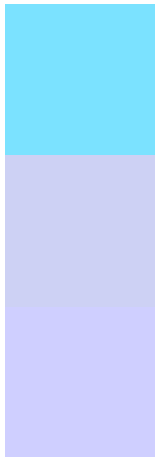


This preview shows how white text looks on a background with the Yxy color 65.8237, 0.2387, 0.2942.

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

65.8237, 0.2387, 0.2942

Protanopia

65.1117, 0.2868, 0.2904

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

66.1337, 0.2419, 0.3069

Trichromacy



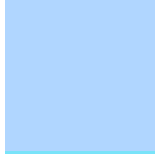
Original Color

65.8237, 0.2387, 0.2942



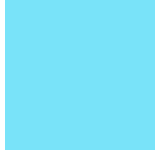
Protanomaly

64.4921, 0.2659, 0.2911



Deuteranomaly

64.5432, 0.2626, 0.2825



Tritanomaly

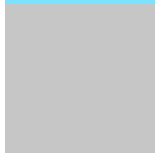
65.8427, 0.2408, 0.3022

Monochromacy



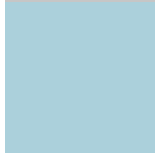
Original Color

65.8237, 0.2387, 0.2942



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.8842, 0.2793, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8237, 0.2387, 0.2942 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(123, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 226, 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(123, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 226, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8237, 0.2387, 0.2942 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(123, 226, 255) }
```

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

```
.border{ border-color:rgb(123, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 226,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8237, 0.2387, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 226, 255) }
```

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

```
.background{ background-color: rgb(123,  
226, 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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