

Converting Colors

$Y_{xy}(65.9758, 0.2415, 0.2936)$

Have a look what the booklet for
Yxy(65.9758, 0.2415, 0.2936)
contains.

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Color

Yxy(65.8163, 0.2414, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	82E1FF
RGB	130, 225, 255
RGB Percent	51%, 88%, 100%
CMY	0.4900, 0.1177, 0.0000
CMYK	0.49, 0.12, 0.00, 0.00
HSL	194°, 100%, 75%
HSV	194°, 49%, 100%
XYZ	54.1885, 65.8163, 104.4710
YIQ	200.0150, -66.2500, -10.8100

Conversions

Conversions Part 2

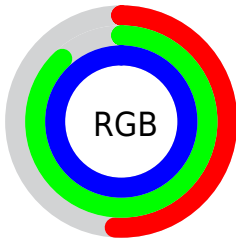
Format	Color
R_{YB}	130, 184, 255
Decimal	8577535
CIE _{Lab}	84.90, -20.33, -23.29
CIE _{LCh}	85, 30.915, 228.886
Yxy	65.8163, 0.2414, 0.2932
Android (android.graphics.Color)	4286767615 (0xFF82E1FF)
YUV	200.0150, 27.1076, -61.4032
Hunter-Lab	81.1272, -22.7447, -19.5612

Details

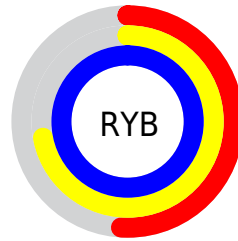
The Yxy color **65.8163, 0.2414, 0.2932** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.0333, 0.4342, 0.3605**, and the grayscale version is **57.6363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **34.0556, 0.2254, 0.2848** is the 20% darker color. If you saturate the color by 10%, you get **60.7922, 0.2299, 0.2845**, and if you desaturate by 10%, it is **71.4612, 0.2544, 0.3016**.

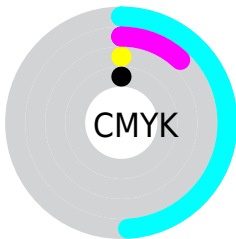
Distribution



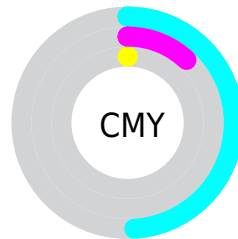
- Red (51%)
- Green (88%)
- Blue (100%)



- Red (51%)
- Yellow (72%)
- Blue (100%)



- Cyan (49%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8163, 0.2414, 0.2932 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 65.8163, 0.2414, 0.2932 by changing the saturation by 10% instead.


 65.8163, 0.2414,
0.2932


 65.8163, 0.2414,
0.2932


445.7196, 0.2740,
0.3107


 48.1233, 0.2341,
0.2890


 113.2226, 0.2526,
0.2994

 33.9245, 0.2252,
0.2838


 143.7048, 0.2570,
0.3018

 22.8356, 0.2141,
0.2770


 179.2187, 0.2608,
0.3038

 14.4722, 0.2000,
0.2679

220.1489, 0.2641,
0.3056

 8.4498, 0.1813,
0.2554

266.8796, 0.2670,
0.3071

 4.3841, 0.1559,
0.2369

319.7954, 0.2696,

 1.8907, 0.1202,

0.3085

0.2079

379.2806, 0.2719,
0.3096

0.5428, 0.0058,
0.1594

0.0000, 0.0000,
0.0000

65.8163, 0.2414,
0.2932

65.8163, 0.2414,
0.2932

60.7922, 0.2299,
0.2845

71.4612, 0.2544,
0.3016

56.3464, 0.2201,
0.2756

77.7583, 0.2685,
0.3094

52.4360, 0.2123,
0.2665

84.7406, 0.2834,
0.3168

49.0089, 0.2065,
0.2575

92.4379, 0.2988,
0.3235

■ 45.9886, 0.2025,
0.2486

100.0000, 0.3127,
0.3290

■ 45.6996, 0.2022,
0.2478

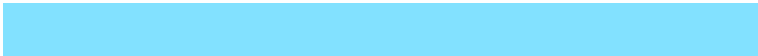
Harmonies

Analogous

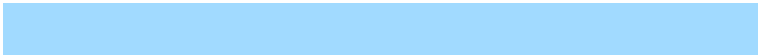
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8163, 0.2521, 0.3269



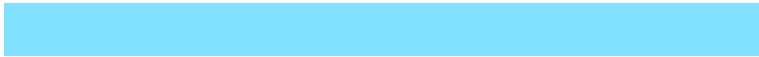
65.8163, 0.2414, 0.2932



65.8163, 0.2481, 0.2721

Triad

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



65.8163, 0.2414, 0.2932



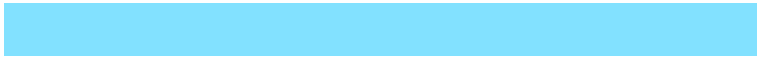
65.8163, 0.3455, 0.2969



65.8163, 0.3527, 0.3979

Complementary

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



65.8163, 0.2414, 0.2932



48.0333, 0.4342, 0.3605

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.



65.8163, 0.3804, 0.3842



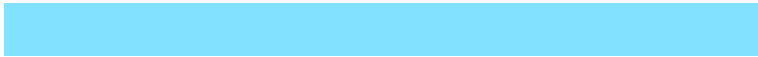
65.8163, 0.2414, 0.2932



65.8163, 0.3767, 0.3261

Square

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



65.8163, 0.2414, 0.2932



65.8163, 0.3063, 0.2756



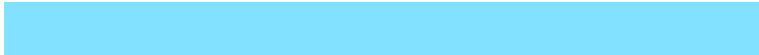
65.8163, 0.3897, 0.3575



65.8163, 0.3153, 0.3913

Rectangle

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



65.8163, 0.2414, 0.2932



65.8163, 0.2618, 0.2666



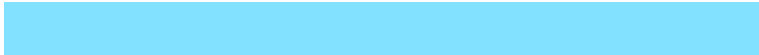
65.8163, 0.3897, 0.3575



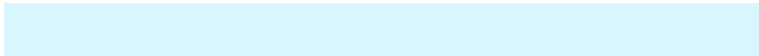
65.8163, 0.3635, 0.3953

Sweetspot

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



65.8175, 0.2414, 0.2932



87.7324, 0.2895, 0.3195



78.7800, 0.2921, 0.4491



18.4378, 0.2863, 0.3181



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.



65.8175, 0.2414, 0.2932



60.7924, 0.2299, 0.2845



38.2954, 0.2264, 0.2144



19.6987, 0.2980, 0.3232



24.1228, 0.2026, 0.2492



2.5175, 0.2054, 0.2594

Inverse Universe

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



42.6743, 0.3458, 0.2349



36.3795, 0.3550, 0.2188



74.9456, 0.4004, 0.4208



18.2214, 0.3175, 0.3111



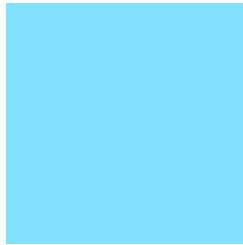
13.1632, 0.3930, 0.1939



1.2987, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 65.8163, 0.2414, 0.2932 looks on a white background.

Color Contrast Check

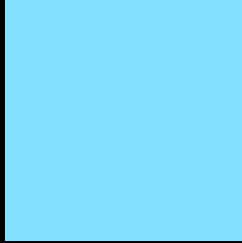
Large Text (above 18pt) WCAG AA × Fail

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 65.8163, 0.2414, 0.2932 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 65.8163, 0.2414, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 65.8163, 0.2414, 0.2932.

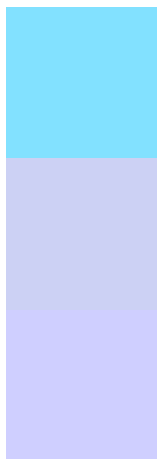


This preview shows how white text looks on a background with the Yxy color 65.8163, 0.2414, 0.2932.

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

65.8163, 0.2414, 0.2932

Protanopia

64.9700, 0.2862, 0.2904

Deuteranopia

65.1110, 0.2814, 0.2772



Tritanopia

66.0428, 0.2450, 0.3070

Trichromacy



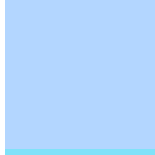
Original Color

65.8163, 0.2414, 0.2932



Protanomaly

64.7253, 0.2671, 0.2912



Deuteranomaly

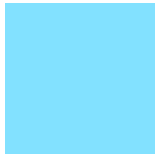
64.8968, 0.2644, 0.2828



Tritanomaly

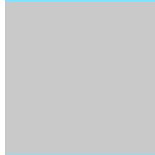
65.8215, 0.2434, 0.3012

Monochromacy



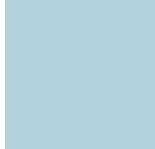
Original Color

65.8163, 0.2414, 0.2932



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.8822, 0.2814, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8163, 0.2414, 0.2932 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(130, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 225, 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(130, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 65.8163, 0.2414, 0.2932 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(130, 225, 255) }
```

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

```
.border{ border-color:rgb(130, 225, 255) }
```

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

Here you see how a box with a 4 pixel rgb(130, 225, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8163, 0.2414, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 225, 255) }
```

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

```
.background{ background-color: rgb(130,  
225, 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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