

Converting Colors

$Yxy(65.3153, 0.2334, 0.2594)$

Have a look what the booklet for
Yxy(65.3153, 0.2334, 0.2594)
contains.

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Color

Yxy(63.4585, 0.2445, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	8CDBFF
RGB	140, 219, 255
RGB Percent	55%, 86%, 100%
CMY	0.4511, 0.1411, 0.0000
CMYK	0.45, 0.14, 0.00, 0.00
HSL	199°, 100%, 77%
HSV	199°, 45%, 100%
XYZ	54.1935, 63.4585, 103.9984
YIQ	199.4830, -58.6400, -5.5520

Conversions

Conversions Part 2

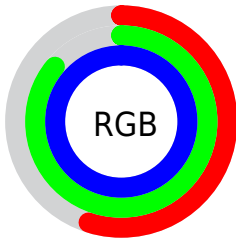
Format	Color
RYB	140, 187, 255
Decimal	9231359
CIELab	83.68, -15.06, -25.10
CIELCh	84, 29.267, 239.035
Yxy	63.4585, 0.2445, 0.2863
Android (android.graphics.Color)	4287421439 (0xFF8CDBFF)
YUV	199.4830, 27.3699, -52.1666
Hunter-Lab	79.6608, -17.9724, -21.6413

Details

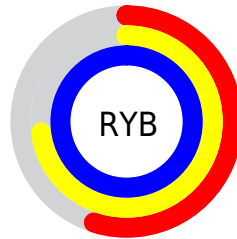
The Yxy color **63.4585, 0.2445, 0.2863** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.1928, 0.4163, 0.3669**, and the grayscale version is **57.2793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **32.4220, 0.2291, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **57.4324, 0.2314, 0.2749**, and if you desaturate by 10%, it is **70.2022, 0.2587, 0.2971**.

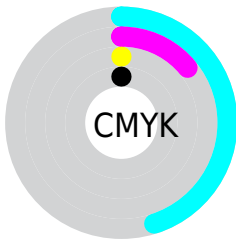
Distribution



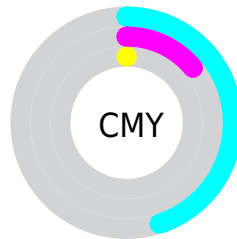
- Red (55%)
- Green (86%)
- Blue (100%)



- Red (55%)
- Yellow (73%)
- Blue (100%)



- Cyan (45%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.4585, 0.2445, 0.2863 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 63.4585, 0.2445, 0.2863 by changing the saturation by 10% instead.


 63.4585, 0.2445,
0.2863

 63.4585, 0.2445,
0.2863

437.2316, 0.2759,
0.3069

 46.2122, 0.2374,
0.2814


 109.8307, 0.2553,
0.2936

 32.4133, 0.2288,
0.2753


 139.7255, 0.2596,
0.2964

 21.6774, 0.2179,
0.2675


174.6051, 0.2632,
0.2988

 13.6201, 0.2040,
0.2572

214.8542, 0.2664,
0.3009

 7.8569, 0.1855,
0.2429

260.8569, 0.2692,
0.3027

 4.0035, 0.1602,
0.2222

312.9978, 0.2717,

 1.6755, 0.1242,

0.3043

0.1902

371.6612, 0.2739,
0.3057

0.4077, 0.0062,
0.1263

0.0000, 0.0000,
0.0000

63.4585, 0.2445,
0.2863

63.4585, 0.2445,
0.2863

57.4324, 0.2314,
0.2749

70.2022, 0.2587,
0.2971

52.0779, 0.2199,
0.2630

77.6915, 0.2738,
0.3072

47.3540, 0.2102,
0.2510

85.9613, 0.2892,
0.3165

43.2105, 0.2026,
0.2389

95.0418, 0.3048,
0.3250

■ 39.5862, 0.1970,
0.2270

99.9999, 0.3127,
0.3290

■ 37.9597, 0.1948,
0.2213

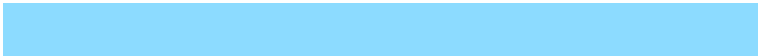
Harmonies

Analogous

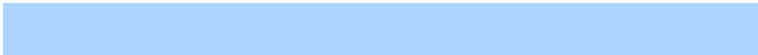
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.4585, 0.2492, 0.3152



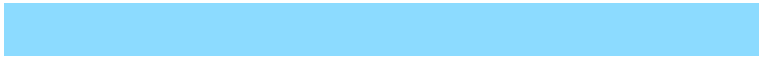
63.4585, 0.2445, 0.2863



63.4585, 0.2565, 0.2708

Triad

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



63.4585, 0.2445, 0.2863



63.4585, 0.3557, 0.3071



63.4585, 0.3396, 0.3952

Complementary

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



63.4585, 0.2445, 0.2863



54.1928, 0.4163, 0.3669

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.



63.4585, 0.3703, 0.3882



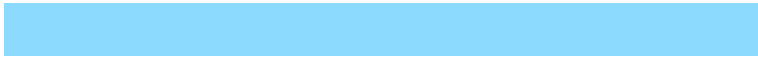
63.4585, 0.2445, 0.2863



63.4585, 0.3805, 0.3366

Square

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



63.4585, 0.2445, 0.2863



63.4585, 0.3194, 0.2835



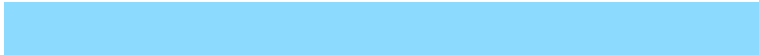
63.4585, 0.3858, 0.3660



63.4585, 0.3028, 0.3816

Rectangle

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



63.4585, 0.2445, 0.2863



63.4585, 0.2730, 0.2689



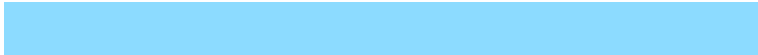
63.4585, 0.3858, 0.3660



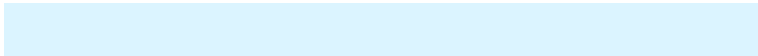
63.4585, 0.3510, 0.3950

Sweetspot

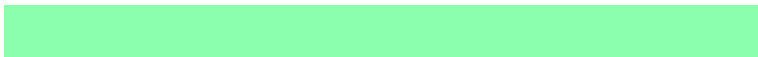
The Sweet Spot groups the original color and five complimentary colors.



63.4609, 0.2445, 0.2863



86.9250, 0.2910, 0.3175



80.1684, 0.2896, 0.4279



18.2050, 0.2876, 0.3156



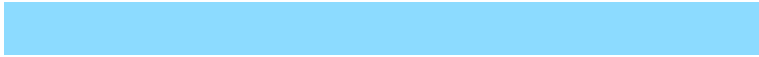
0.0000, 0.0000, 0.0000



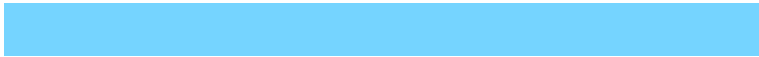
21.4041, 0.3127, 0.3290

Same Dimension

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



63.4609, 0.2445, 0.2863



58.0651, 0.2328, 0.2762



38.9829, 0.2320, 0.2155



19.4661, 0.2980, 0.3214



20.1139, 0.1954, 0.2232



2.1539, 0.1991, 0.2367

Inverse Universe

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



45.1255, 0.3504, 0.2494



38.8016, 0.3609, 0.2353



80.8636, 0.3894, 0.4208



18.1979, 0.3186, 0.3128



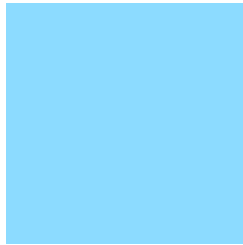
12.7585, 0.4198, 0.2086



1.2620, 0.4057, 0.2008

Previews

White Background



This preview shows how the Yxy color 63.4585, 0.2445, 0.2863 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 63.4585, 0.2445, 0.2863 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 63.4585, 0.2445, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 63.4585, 0.2445, 0.2863.

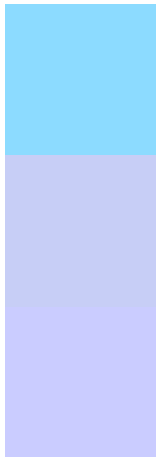


This preview shows how white text looks on a background with the Yxy color 63.4585, 0.2445, 0.2863.

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

63.4585, 0.2445, 0.2863

Protanopia

62.9385, 0.2814, 0.2845

Deuteranopia

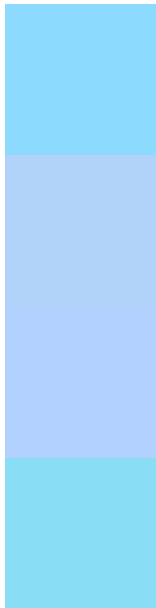
62.9623, 0.2778, 0.2733



Tritanopia

63.6254, 0.2503, 0.3081

Trichromacy



Original Color

63.4585, 0.2445, 0.2863

Protanomaly

62.8931, 0.2667, 0.2855

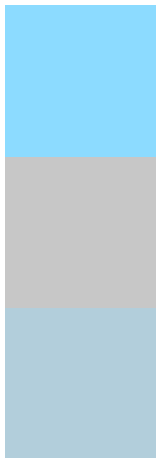
Deuteranomaly

62.4046, 0.2638, 0.2769

Tritanomaly

63.6238, 0.2482, 0.2999

Monochromacy



Original Color

63.4585, 0.2445, 0.2863

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

58.7221, 0.2838, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4585, 0.2445, 0.2863 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(140, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 219, 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(140, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.4585, 0.2445, 0.2863 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(140, 219, 255) }
```

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

```
.border{ border-color:rgb(140, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4585, 0.2445, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 219, 255) }
```

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

```
.background{ background-color: rgb(140,  
219, 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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