

Converting Colors

$Yxy(63.7551, 0.2444, 0.2871)$

Have a look what the booklet for
Yxy(63.7551, 0.2444, 0.2871)
contains.

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Color

Yxy(63.8954, 0.2443, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	8BDCFF
RGB	139, 220, 255
RGB Percent	55%, 86%, 100%
CMY	0.4546, 0.1373, 0.0001
CMYK	0.45, 0.14, 0.00, 0.00
HSL	198°, 100%, 77%
HSV	198°, 45%, 100%
XYZ	54.2944, 63.8954, 104.0550
YIQ	199.7710, -59.5110, -6.2870

Conversions

Conversions Part 2

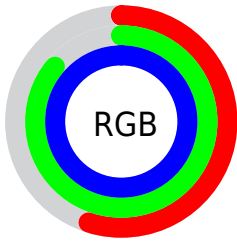
Format	Color
R _Y B	139, 187, 255
Decimal	9166079
CIE Lab	83.91, -15.79, -24.74
CIE LCh	84, 29.345, 237.459
Yxy	63.8954, 0.2443, 0.2875
Android (android.graphics.Color)	4287356159 (0xFF8BDCFF)
YUV	199.7710, 27.2279, -53.2962
Hunter-Lab	79.9346, -18.6420, -21.2267

Details

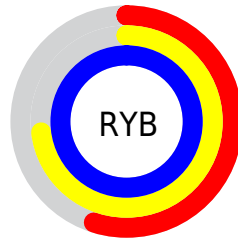
The Yxy color **63.8954, 0.2443, 0.2875** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.4086, 0.4181, 0.3658**, and the grayscale version is **57.4767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **32.6930, 0.2285, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **58.0056, 0.2314, 0.2765**, and if you desaturate by 10%, it is **70.4878, 0.2584, 0.2979**.

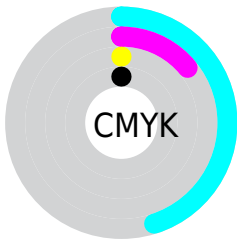
Distribution



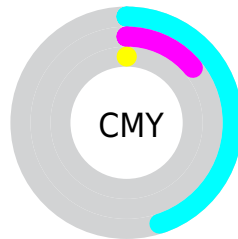
- Red (55%)
- Green (86%)
- Blue (100%)



- 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 63.8954, 0.2443, 0.2875 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 63.8954, 0.2443, 0.2875 by changing the saturation by 10% instead.

 63.8954, 0.2443,
0.2875

 63.8954, 0.2443,
0.2875


438.8118, 0.2757,
0.3076

 46.5660, 0.2372,
0.2827

 110.4603, 0.2551,
0.2946

 32.6927, 0.2286,
0.2768


 140.4645, 0.2594,
0.2973

 21.8911, 0.2177,
0.2692


175.4625, 0.2630,
0.2997

 13.7769, 0.2038,
0.2591

215.8385, 0.2662,
0.3017

 7.9657, 0.1854,
0.2451

261.9771, 0.2690,
0.3034

 4.0730, 0.1601,
0.2248

314.2626, 0.2715,

 1.7145, 0.1242,

0.3050

0.1934

373.0793, 0.2738,
0.3063

0.4330, 0.0080,
0.1327

0.0000, 0.0000,
0.0000

63.8954, 0.2443,
0.2875

63.8954, 0.2443,
0.2875

58.0056, 0.2314,
0.2765

70.4878, 0.2584,
0.2979

52.7725, 0.2201,
0.2651

77.8105, 0.2733,
0.3077

48.1553, 0.2107,
0.2535

85.8982, 0.2887,
0.3167

44.1037, 0.2033,
0.2419

94.7811, 0.3043,
0.3249

■ 40.5563, 0.1979,
0.2305

99.9982, 0.3127,
0.3290

■ 39.0726, 0.1959,
0.2254

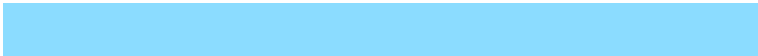
Harmonies

Analogous

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



63.8954, 0.2499, 0.3170



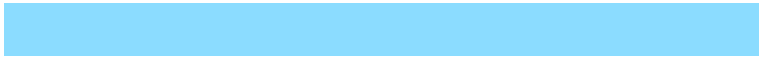
63.8954, 0.2443, 0.2875



63.8954, 0.2555, 0.2713

Triad

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



63.8954, 0.2443, 0.2875



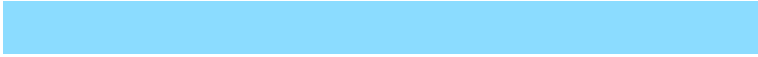
63.8954, 0.3540, 0.3056



63.8954, 0.3414, 0.3953

Complementary

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



63.8954, 0.2443, 0.2875



53.4086, 0.4181, 0.3658

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.



63.8954, 0.3716, 0.3874



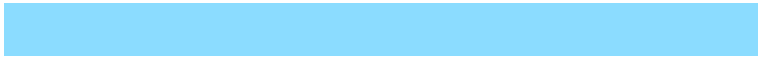
63.8954, 0.2443, 0.2875



63.8954, 0.3797, 0.3350

Square

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



63.8954, 0.2443, 0.2875



63.8954, 0.3174, 0.2825



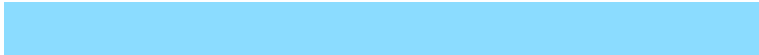
63.8954, 0.3861, 0.3646



63.8954, 0.3047, 0.3828

Rectangle

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



63.8954, 0.2443, 0.2875



63.8954, 0.2715, 0.2688



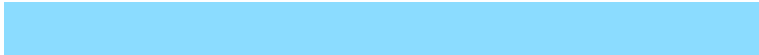
63.8954, 0.3861, 0.3646



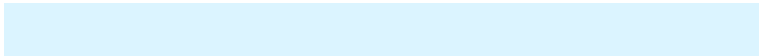
63.8954, 0.3527, 0.3948

Sweetspot

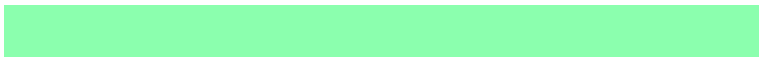
The Sweet Spot groups the original color and five complimentary colors.



63.8978, 0.2443, 0.2875



87.1650, 0.2910, 0.3179



80.0469, 0.2895, 0.4289



18.2637, 0.2876, 0.3161



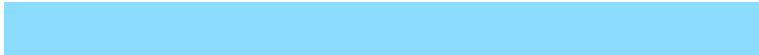
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



63.8978, 0.2443, 0.2875



58.2752, 0.2320, 0.2770



38.6405, 0.2313, 0.2145



19.5017, 0.2980, 0.3217



20.6959, 0.1965, 0.2272



2.2072, 0.2001, 0.2402

Inverse Universe

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



44.9061, 0.3496, 0.2476



38.2523, 0.3604, 0.2325



80.7166, 0.3900, 0.4215



18.2015, 0.3185, 0.3125



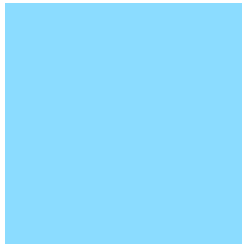
12.8172, 0.4155, 0.2063



1.2674, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 63.8954, 0.2443, 0.2875 looks on a white background.

Color Contrast Check

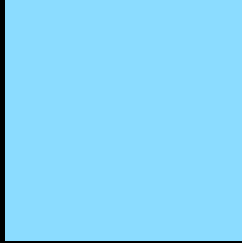
Large Text (above 18pt) WCAG AA × Fail

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 63.8954, 0.2443, 0.2875 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 63.8954, 0.2443, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 63.8954, 0.2443, 0.2875.



This preview shows how white text looks on a background with the Yxy color 63.8954, 0.2443, 0.2875.

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

63.8954, 0.2443, 0.2875

Protanopia

63.0758, 0.2821, 0.2845

Deuteranopia

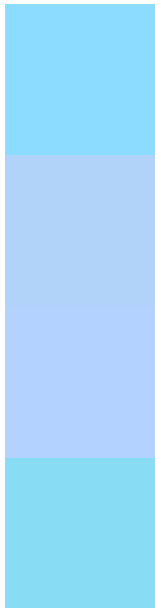
63.1022, 0.2785, 0.2734



Tritanopia

63.6847, 0.2498, 0.3069

Trichromacy



Original Color

63.8954, 0.2443, 0.2875

Protanomaly

62.8931, 0.2667, 0.2855

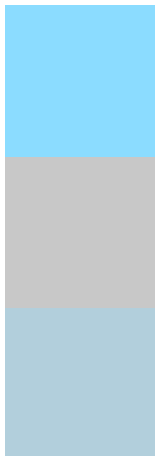
Deuteranomaly

63.0165, 0.2645, 0.2782

Tritanomaly

63.5397, 0.2477, 0.2998

Monochromacy



Original Color

63.8954, 0.2443, 0.2875

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

59.2579, 0.2833, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8954, 0.2443, 0.2875 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(139, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 220, 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(139, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8954, 0.2443, 0.2875 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(139, 220, 255) }
```

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

```
.border{ border-color:rgb(139, 220, 255) }
```

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

Here you see how a box with a 4 pixel rgb(139, 220, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 220,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.8954, 0.2443, 0.2875$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 220, 255) }
```

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

```
.background{ background-color: rgb(139,  
220, 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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