

Converting Colors

$Yxy(63.6817, 0.2436, 0.2872)$

Have a look what the booklet for
Yxy(63.6817, 0.2436, 0.2872)
contains.

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Color

Yxy(63.8097, 0.2438, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	8ADCFF
RGB	138, 220, 255
RGB Percent	54%, 86%, 100%
CMY	0.4587, 0.1373, 0.0000
CMYK	0.46, 0.14, 0.00, 0.00
HSL	198°, 100%, 77%
HSV	198°, 46%, 100%
XYZ	54.1295, 63.8097, 104.0849
YIQ	199.4720, -60.1070, -6.4990

Conversions

Conversions Part 2

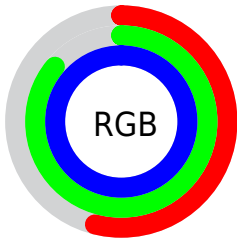
Format	Color
RYB	138, 186, 255
Decimal	9100543
CIELab	83.87, -16.01, -24.83
CIELCh	84, 29.549, 237.186
Yxy	63.8097, 0.2438, 0.2874
Android (android.graphics.Color)	4287290623 (0xFF8ADCFF)
YUV	199.4720, 27.3753, -53.9109
Hunter-Lab	79.8810, -18.8354, -21.3381

Details

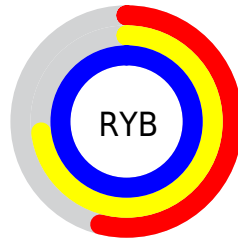
The Yxy color **63.8097, 0.2438, 0.2874** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.9950, 0.4196, 0.3658**, and the grayscale version is **57.2783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **32.6497, 0.2281, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **57.9703, 0.2310, 0.2765**, and if you desaturate by 10%, it is **70.3451, 0.2578, 0.2978**.

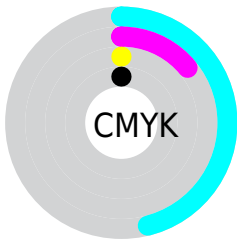
Distribution



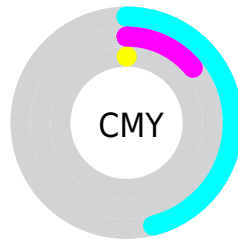
- Red (54%)
- Green (86%)
- Blue (100%)



- Red (54%)
- Yellow (73%)
- Blue (100%)



- Cyan (46%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8097, 0.2438, 0.2874 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 63.8097, 0.2438, 0.2874 by changing the saturation by 10% instead.

 63.8097, 0.2438,
0.2874


 63.8097, 0.2438,
0.2874


438.5021, 0.2755,
0.3075

 46.4966, 0.2367,
0.2826


 110.3368, 0.2547,
0.2945

 32.6378, 0.2279,
0.2767


 140.3196, 0.2590,
0.2973

 21.8492, 0.2170,
0.2690


175.2944, 0.2627,
0.2996

 13.7461, 0.2030,
0.2588

215.6456, 0.2659,
0.3016

 7.9443, 0.1845,
0.2448

261.7575, 0.2687,
0.3034

 4.0593, 0.1591,
0.2244

314.0147, 0.2712,

 1.7068, 0.1231,

0.3049

0.1929

372.8014, 0.2735,
0.3063

0.4281, 0.0049,
0.1316

0.0000, 0.0000,
0.0000

63.8097, 0.2438,
0.2874

63.8097, 0.2438,
0.2874

57.9703, 0.2310,
0.2765

70.3451, 0.2578,
0.2978

52.7844, 0.2198,
0.2652

77.6076, 0.2727,
0.3075

48.2096, 0.2105,
0.2537

85.6310, 0.2881,
0.3164

44.1957, 0.2032,
0.2422

94.4453, 0.3036,
0.3246

■ 40.6804, 0.1980,
0.2309

100.0000, 0.3127,
0.3290

■ 39.3377, 0.1962,
0.2263

Harmonies

Analogous

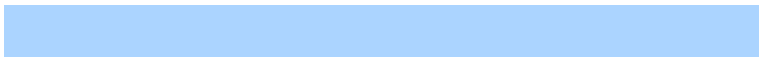
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.8097, 0.2496, 0.3172



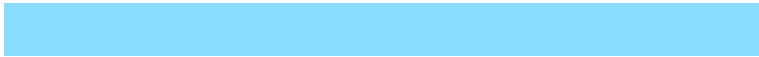
63.8097, 0.2438, 0.2874



63.8097, 0.2549, 0.2709

Triad

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



63.8097, 0.2438, 0.2874



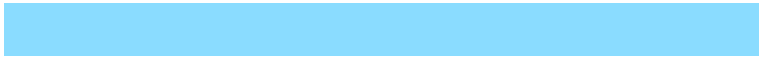
63.8097, 0.3540, 0.3052



63.8097, 0.3419, 0.3958

Complementary

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



63.8097, 0.2438, 0.2874



52.9950, 0.4196, 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.



63.8097, 0.3722, 0.3877



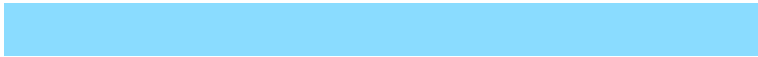
63.8097, 0.2438, 0.2874



63.8097, 0.3800, 0.3347

Square

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



63.8097, 0.2438, 0.2874



63.8097, 0.3171, 0.2820



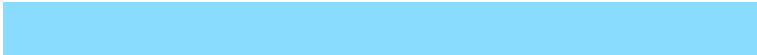
63.8097, 0.3866, 0.3646



63.8097, 0.3050, 0.3835

Rectangle

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



63.8097, 0.2438, 0.2874



63.8097, 0.2709, 0.2684



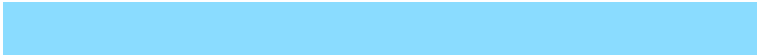
63.8097, 0.3866, 0.3646



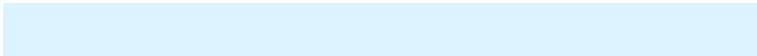
63.8097, 0.3533, 0.3952

Sweetspot

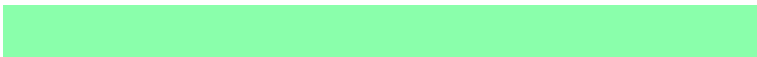
The Sweet Spot groups the original color and five complimentary colors.



63.8110, 0.2438, 0.2874



87.2191, 0.2910, 0.3180



79.8726, 0.2903, 0.4325



18.2770, 0.2876, 0.3162



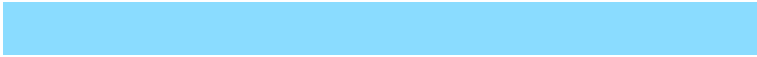
0.0000, 0.0000, 0.0000



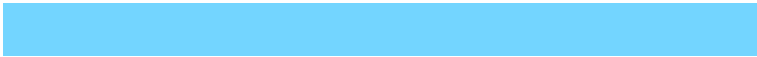
21.4041, 0.3127, 0.3290

Same Dimension

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



63.8110, 0.2438, 0.2874



58.4524, 0.2321, 0.2775



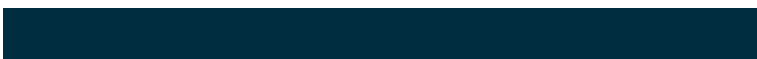
38.9528, 0.2309, 0.2157



19.5097, 0.2980, 0.3217



20.8285, 0.1967, 0.2281



2.2193, 0.2003, 0.2410

Inverse Universe

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



44.6125, 0.3497, 0.2467



38.2702, 0.3600, 0.2321



79.4984, 0.3916, 0.4206



18.2023, 0.3184, 0.3125



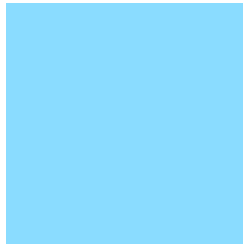
12.8306, 0.4146, 0.2058



1.2686, 0.4013, 0.1984

Previews

White Background



This preview shows how the Yxy color 63.8097, 0.2438, 0.2874 looks on a white background.

Color Contrast Check

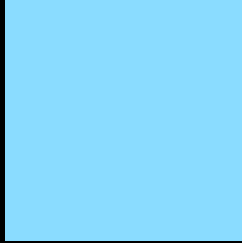
Large Text (above 18pt) WCAG AA × Fail

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 63.8097, 0.2438, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

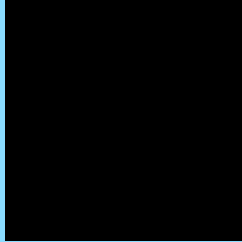
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8097, 0.2438, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 63.8097, 0.2438, 0.2874.

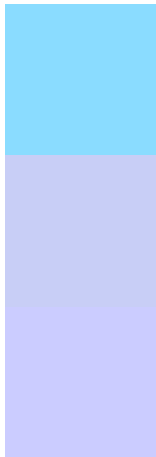


This preview shows how white text looks on a background with the Yxy color 63.8097, 0.2438, 0.2874.

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

63.8097, 0.2438, 0.2874

Protanopia

63.0758, 0.2821, 0.2845

Deuteranopia

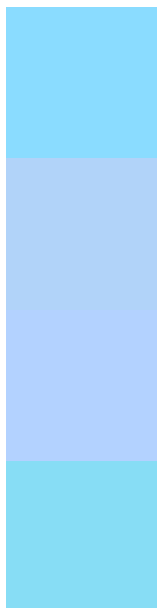
63.1022, 0.2785, 0.2734



Tritanopia

63.6022, 0.2493, 0.3069

Trichromacy



Original Color

63.8097, 0.2438, 0.2874

Protanomaly

62.7752, 0.2661, 0.2854

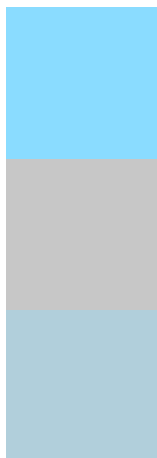
Deuteranomaly

62.8969, 0.2639, 0.2781

Tritanomaly

63.4564, 0.2472, 0.2998

Monochromacy



Original Color

63.8097, 0.2438, 0.2874

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

59.0872, 0.2832, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8097, 0.2438, 0.2874 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(138, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 63.8097, 0.2438, 0.2874 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(138, 220, 255) }
```

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

```
.border{ border-color:rgb(138, 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(138, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8097, 0.2438, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 220, 255) }
```

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

```
.background{ background-color: rgb(138,  
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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