

Converting Colors

$Yxy(51.8859, 0.2165, 0.2057)$

Have a look what the booklet for
Yxy(51.8859, 0.2165, 0.2057)
contains.

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Color

Yxy(48.4207, 0.2355, 0.2469)

Conversions

Conversions Part 1

Format	Color
Hex	88BCFF
RGB	136, 188, 255
RGB Percent	53%, 74%, 100%
CMY	0.4666, 0.2627, 0.0000
CMYK	0.47, 0.26, 0.00, 0.00
HSL	214°, 100%, 77%
HSV	214°, 47%, 100%
XYZ	46.1850, 48.4207, 101.5089
YIQ	180.0900, -52.4990, 9.8130

Conversions

Conversions Part 2

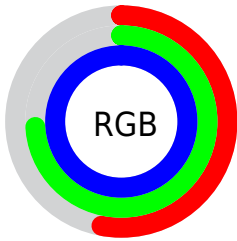
Format	Color
RYB	136, 172, 255
Decimal	8961279
CIELab	75.09, 0.46, -38.33
CIElCh	75, 38.331, 270.690
Yxy	48.4207, 0.2355, 0.2469
Android (android.graphics.Color)	4287151359 (0xFF88BCFF)
YUV	180.0900, 36.9306, -38.6669
Hunter-Lab	69.5850, -3.2996, -37.7814

Details

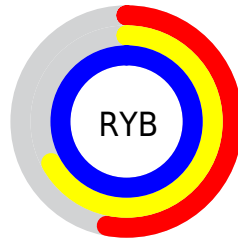
The Yxy color **48.4207, 0.2355, 0.2469** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7424, 0.4057, 0.3979**, and the grayscale version is **45.5132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3907, 0.2763, 0.3172**, and **23.0249, 0.2162, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **40.7038, 0.2192, 0.2253**, and if you desaturate by 10%, it is **57.2590, 0.2525, 0.2674**.

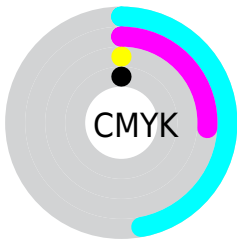
Distribution



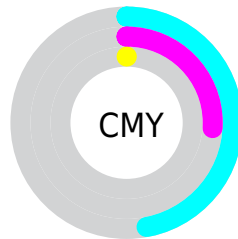
- Red (53%)
- Green (74%)
- Blue (100%)



- Red (53%)
- Yellow (67%)
- Blue (100%)



- Cyan (47%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4207, 0.2355, 0.2469 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 48.4207, 0.2355, 0.2469 by changing the saturation by 10% instead.

■ 48.4207, 0.2355,
0.2469

■ 48.4207, 0.2355,
0.2469

■ 380.4573, 0.2726,
0.2863

■ 34.1602, 0.2268,
0.2377

■ 87.8305, 0.2485,
0.2607

■ 23.0167, 0.2161,
0.2264

■ 113.7485, 0.2536,
0.2661

■ 14.6058, 0.2025,
0.2120

■ 144.3211, 0.2579,
0.2706

■ 8.5432, 0.1848,
0.1932

■ 179.9327, 0.2616,
0.2746

■ 4.4445, 0.1612,
0.1683

■ 220.9678, 0.2649,
0.2781

■ 1.9252, 0.1289,
0.1342

■ 267.8106, 0.2677,

■ 0.5634, 0.0806,

0.2811

0.0831

320.8456, 0.2703,
0.2838

0.0000, 0.0000,
0.0000

48.4207, 0.2355,
0.2469

48.4207, 0.2355,
0.2469

40.7038, 0.2192,
0.2253

57.2590, 0.2525,
0.2674

34.0487, 0.2042,
0.2031

67.2634, 0.2695,
0.2865

28.3970, 0.1912,
0.1810

78.4821, 0.2863,
0.3039

23.6807, 0.1806,
0.1598

90.9589, 0.3024,
0.3195

19.8179, 0.1728,
0.1402

99.9993, 0.3127,
0.3290

■ 18.6839, 0.1706,
0.1340

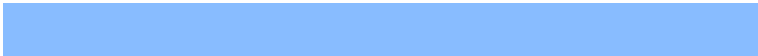
Harmonies

Analogous

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



48.4207, 0.2181, 0.2657



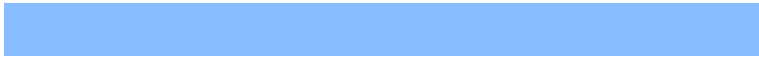
48.4207, 0.2355, 0.2469



48.4207, 0.2730, 0.2483

Triad

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



48.4207, 0.2355, 0.2469



48.4207, 0.4116, 0.3400



48.4207, 0.2945, 0.4047

Complementary

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



48.4207, 0.2355, 0.2469



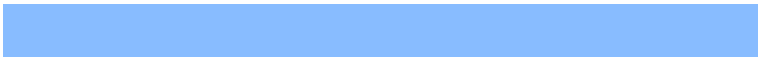
65.7424, 0.4057, 0.3979

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.



48.4207, 0.3466, 0.4251



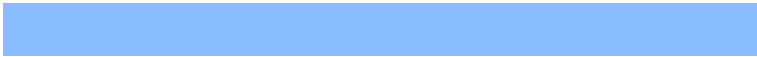
48.4207, 0.2355, 0.2469



48.4207, 0.4166, 0.3810

Square

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



48.4207, 0.2355, 0.2469



48.4207, 0.3767, 0.2997



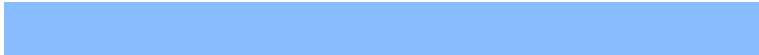
48.4207, 0.3918, 0.4137



48.4207, 0.2497, 0.3575

Rectangle

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



48.4207, 0.2355, 0.2469



48.4207, 0.3065, 0.2592



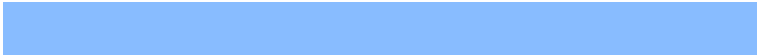
48.4207, 0.3918, 0.4137



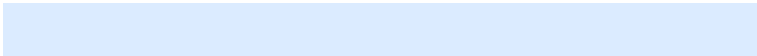
48.4207, 0.3118, 0.4151

Sweetspot

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



48.4225, 0.2355, 0.2469



81.6872, 0.2907, 0.3082



80.9854, 0.2747, 0.3937



16.9283, 0.2871, 0.3047



0.0000, 0.0000, 0.0000



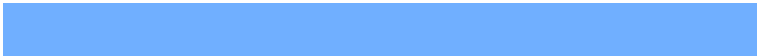
21.4041, 0.3127, 0.3290

Same Dimension

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



48.4225, 0.2355, 0.2469



41.1854, 0.2203, 0.2267



30.5760, 0.2274, 0.1830



18.6838, 0.2979, 0.3153



10.0486, 0.1714, 0.1370



1.1912, 0.1775, 0.1589

Inverse Universe

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



42.4988, 0.3832, 0.2755



35.9723, 0.4052, 0.2662



93.4373, 0.3778, 0.4452



18.1189, 0.3225, 0.3187



11.7424, 0.5231, 0.2655



1.1648, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 48.4207, 0.2355, 0.2469 looks on a white background.

Color Contrast Check

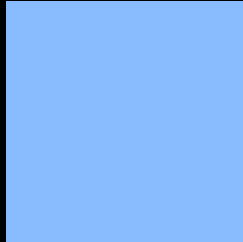
Large Text (above 18pt) WCAG AA × Fail

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 48.4207, 0.2355, 0.2469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

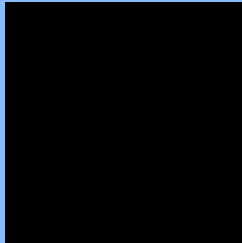
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

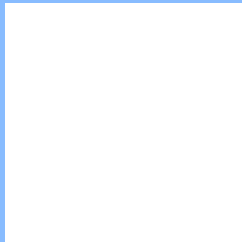
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.4207, 0.2355, 0.2469

Background



This preview shows how black text looks on a background with the Yxy color 48.4207, 0.2355, 0.2469.



This preview shows how white text looks on a background with the Yxy color 48.4207, 0.2355, 0.2469.

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

48.4207, 0.2355, 0.2469

Protanopia

48.2505, 0.2532, 0.2478

Deuteranopia

48.2530, 0.2486, 0.2424



Tritanopia

48.4443, 0.2522, 0.3070

Trichromacy



Original Color

48.4207, 0.2355, 0.2469

Protanomaly

48.1793, 0.2462, 0.2470

Deuteranomaly

48.1764, 0.2435, 0.2437

Tritanomaly

48.3306, 0.2457, 0.2829

Monochromacy



Original Color

48.4207, 0.2355, 0.2469

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2645, 0.2799, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4207, 0.2355, 0.2469 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(136, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 188, 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(136, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.4207, 0.2355, 0.2469 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(136, 188, 255) }
```

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

```
.border{ border-color:rgb(136, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4207, 0.2355, 0.2469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 188, 255) }
```

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

```
.background{ background-color: rgb(136,  
188, 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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