

Converting Colors

$Yxy(48.6597, 0.2368, 0.2491)$

Have a look what the booklet for
Yxy(48.6597, 0.2368, 0.2491)
contains.

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Color

Yxy(48.8693, 0.2367, 0.2493)

Conversions

Conversions Part 1

Format	Color
Hex	89BDFE
RGB	137, 189, 254
RGB Percent	54%, 74%, 100%
CMY	0.4629, 0.2588, 0.0039
CMYK	0.46, 0.26, 0.00, 0.00
HSL	213°, 98%, 77%
HSV	213°, 46%, 100%
XYZ	46.3994, 48.8693, 100.7574
YIQ	180.8620, -51.8570, 9.1910

Conversions

Conversions Part 2

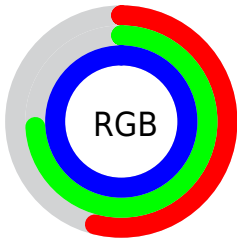
Format	Color
RYB	137, 173, 254
Decimal	9027070
CIELab	75.37, -0.14, -37.36
CIElCh	75, 37.362, 269.786
Yxy	48.8693, 0.2367, 0.2493
Android (android.graphics.Color)	4287217150 (0xFF89BDFE)
YUV	180.8620, 36.0570, -38.4670
Hunter-Lab	69.9066, -3.8600, -36.5210

Details

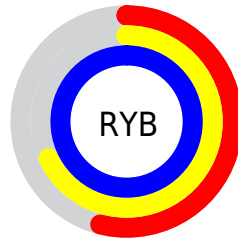
The Yxy color **48.8693, 0.2367, 0.2493** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1004, 0.4047, 0.3962**, and the grayscale version is **45.9501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1269, 0.2770, 0.3183**, and **23.3018, 0.2177, 0.2294** is the 20% darker color. If you saturate the color by 10%, you get **41.1951, 0.2205, 0.2280**, and if you desaturate by 10%, it is **57.6425, 0.2536, 0.2694**.

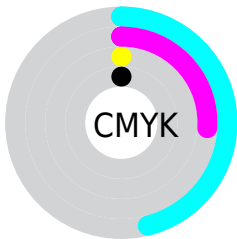
Distribution



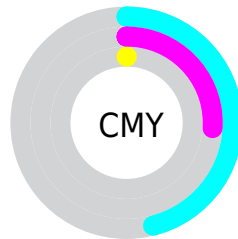
- Red (54%)
- Green (74%)
- Blue (100%)



- Red (54%)
- Yellow (68%)
- Blue (100%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8693, 0.2367, 0.2493 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 48.8693, 0.2367, 0.2493 by changing the saturation by 10% instead.


 48.8693, 0.2367,
0.2493


 48.8693, 0.2367,
0.2493


382.2276, 0.2732,
0.2876

 34.5158, 0.2282,
0.2404


 88.4973, 0.2495,
0.2628

 23.2901, 0.2176,
0.2293


 114.5406, 0.2545,
0.2679

 14.8079, 0.2042,
0.2152


145.2493, 0.2587,
0.2724

 8.6847, 0.1868,
0.1969

181.0078, 0.2624,
0.2762

 4.5361, 0.1635,
0.1724

222.2005, 0.2656,
0.2796

 1.9777, 0.1314,
0.1387

269.2117, 0.2684,

 0.5945, 0.0836,

0.2826

0.0885

322.4260, 0.2709,
0.2852

0.0000, 0.0000,
0.0000

48.8693, 0.2367,
0.2493

48.8693, 0.2367,
0.2493

41.1951, 0.2205,
0.2280

57.6425, 0.2536,
0.2694

34.5617, 0.2055,
0.2062

67.5579, 0.2706,
0.2881

28.9127, 0.1924,
0.1843

78.6626, 0.2873,
0.3052

24.1820, 0.1818,
0.1633

90.9990, 0.3033,
0.3205

20.2909, 0.1738,
0.1437

99.9362, 0.3133,
0.3299

■ 18.9549, 0.1712,
0.1364

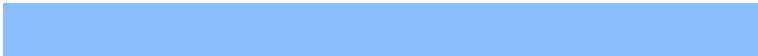
Harmonies

Analogous

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



48.8693, 0.2203, 0.2684



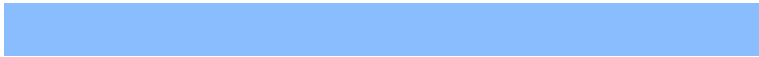
48.8693, 0.2367, 0.2493



48.8693, 0.2728, 0.2500

Triad

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



48.8693, 0.2367, 0.2493



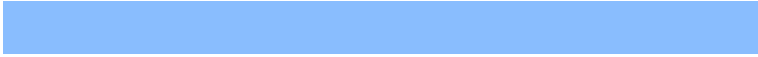
48.8693, 0.4081, 0.3387



48.8693, 0.2966, 0.4034

Complementary

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



48.8693, 0.2367, 0.2493



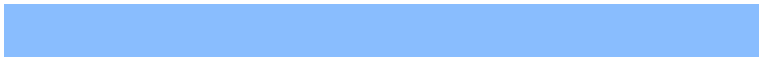
65.1004, 0.4047, 0.3962

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.



48.8693, 0.3473, 0.4223



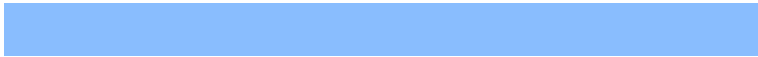
48.8693, 0.2367, 0.2493



48.8693, 0.4140, 0.3787

Square

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



48.8693, 0.2367, 0.2493



48.8693, 0.3736, 0.2995



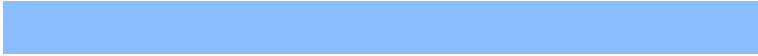
48.8693, 0.3908, 0.4107



48.8693, 0.2526, 0.3583

Rectangle

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



48.8693, 0.2367, 0.2493



48.8693, 0.3052, 0.2603



48.8693, 0.3908, 0.4107



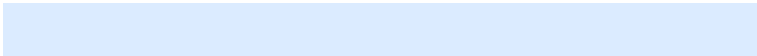
48.8693, 0.3135, 0.4133

Sweetspot

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



48.8711, 0.2367, 0.2493



81.8434, 0.2907, 0.3085



80.4360, 0.2751, 0.3928



16.9662, 0.2871, 0.3050



0.0000, 0.0000, 0.0000



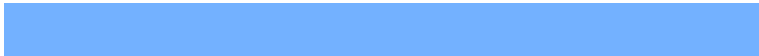
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8711, 0.2367, 0.2493



42.3375, 0.2222, 0.2303



30.8612, 0.2287, 0.1851



18.7074, 0.2979, 0.3154



10.2763, 0.1721, 0.1394



1.2144, 0.1781, 0.1612

Inverse Universe

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



42.6282, 0.3809, 0.2752



36.6434, 0.4014, 0.2660



92.6773, 0.3770, 0.4439



18.1213, 0.3224, 0.3185



11.7654, 0.5199, 0.2638



1.1671, 0.4916, 0.2482

Previews

White Background



This preview shows how the Yxy color 48.8693, 0.2367, 0.2493 looks on a white background.

Color Contrast Check

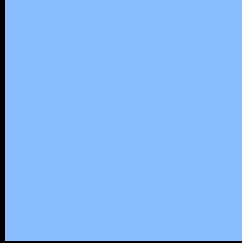
Large Text (above 18pt) WCAG AA × Fail

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 48.8693, 0.2367, 0.2493 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

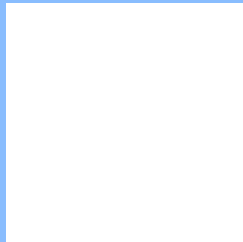
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8693, 0.2367, 0.2493

Background



This preview shows how black text looks on a background with the Yxy color 48.8693, 0.2367, 0.2493.



This preview shows how white text looks on a background with the Yxy color 48.8693, 0.2367, 0.2493.

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

48.8693, 0.2367, 0.2493

Protanopia

48.8135, 0.2552, 0.2503

Deuteranopia

48.7684, 0.2494, 0.2438



Tritanopia

49.0966, 0.2530, 0.3072

Trichromacy



Original Color

48.8693, 0.2367, 0.2493

Protanomaly

48.6315, 0.2476, 0.2494

Deuteranomaly

48.6902, 0.2443, 0.2451

Tritanomaly

48.8521, 0.2465, 0.2844

Monochromacy



Original Color

48.8693, 0.2367, 0.2493

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.8344, 0.2800, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8693, 0.2367, 0.2493 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(137, 189, 254)` looks like.

```
.text, #text, p{  
    color:rgb(137, 189, 254)  
}
```

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(137, 189, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 189, 254) }
```

Border

The CSS property to change the border of an element to Yxy 48.8693, 0.2367, 0.2493 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(137, 189, 254) }
```

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

```
.border{ border-color:rgb(137, 189, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 189, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 189, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 189, 254);  
box-shadow:4px 4px 4px 4px rgb(137, 189,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8693, 0.2367, 0.2493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 189, 254) }
```

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

```
.background{ background-color: rgb(137,  
189, 254) }
```

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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