

Converting Colors

$Yxy(47.2983, 0.2302, 0.2355)$

Have a look what the booklet for
Yxy(47.2983, 0.2302, 0.2355)
contains.

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Color

Yxy(46.9045, 0.2332, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	85B9FF
RGB	133, 185, 255
RGB Percent	52%, 73%, 100%
CMY	0.4785, 0.2745, 0.0000
CMYK	0.48, 0.27, 0.00, 0.00
HSL	214°, 100%, 76%
HSV	214°, 48%, 100%
XYZ	45.0685, 46.9045, 101.2882
YIQ	177.4320, -53.4620, 10.7460

Conversions

Conversions Part 2

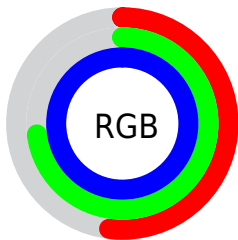
Format	Color
RYB	133, 169, 255
Decimal	8763903
CIELab	74.13, 1.41, -39.84
CIElCh	74, 39.868, 272.027
Yxy	46.9045, 0.2332, 0.2427
Android (android.graphics.Color)	4286953983 (0xFF85B9FF)
YUV	177.4320, 38.2410, -38.9669
Hunter-Lab	68.4869, -2.3882, -39.7458

Details

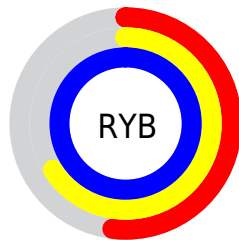
The Yxy color **46.9045, 0.2332, 0.2427** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6483, 0.4079, 0.4008**, and the grayscale version is **44.0195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2070, 0.2744, 0.3139**, and **22.0356, 0.2130, 0.2207** is the 20% darker color. If you saturate the color by 10%, you get **39.2683, 0.2169, 0.2206**, and if you desaturate by 10%, it is **55.6769, 0.2502, 0.2638**.

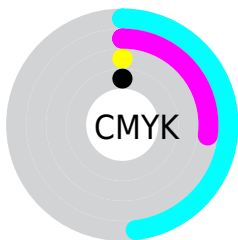
Distribution



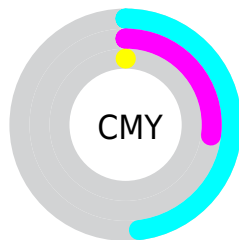
- Red (52%)
- Green (73%)
- Blue (100%)



- Red (52%)
- Yellow (66%)
- Blue (100%)



- Cyan (48%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)




- Cyan (48%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9045, 0.2332, 0.2427 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 46.9045, 0.2332, 0.2427 by changing the saturation by 10% instead.


 46.9045, 0.2332,
0.2427


 46.9045, 0.2332,
0.2427

374.4332, 0.2715,
0.2841


 32.9602, 0.2242,
0.2331


 85.5711, 0.2467,
0.2573

 22.0959, 0.2131,
0.2211


 111.0621, 0.2519,
0.2629

 13.9274, 0.1990,
0.2060


 141.1708, 0.2564,
0.2677

 8.0702, 0.1807,
0.1864

176.2815, 0.2602,
0.2719

 4.1399, 0.1562,
0.1604

216.7787, 0.2636,
0.2755

 1.7521, 0.1229,
0.1252

263.0468, 0.2665,

 0.4571, 0.0714,

0.2787

0.0696

315.4702, 0.2692,
0.2816

0.0000, 0.0000,
0.0000

46.9045, 0.2332,
0.2427

46.9045, 0.2332,
0.2427

39.2683, 0.2169,
0.2206

55.6769, 0.2502,
0.2638

32.7078, 0.2020,
0.1979

65.6326, 0.2674,
0.2834

27.1626, 0.1891,
0.1756

76.8209, 0.2843,
0.3014

22.5617, 0.1787,
0.1542

89.2868, 0.3005,
0.3175

18.8166, 0.1711,
0.1347

100.0000, 0.3127,
0.3290

■ 18.1014, 0.1697,
0.1307

Harmonies

Analogous

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



46.9045, 0.2141, 0.2612



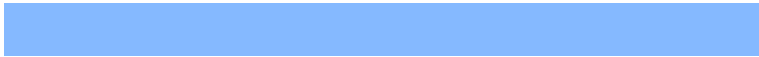
46.9045, 0.2332, 0.2427



46.9045, 0.2731, 0.2451

Triad

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



46.9045, 0.2332, 0.2427



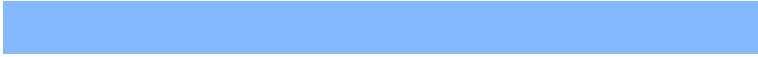
46.9045, 0.4177, 0.3421



46.9045, 0.2910, 0.4072

Complementary

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



46.9045, 0.2332, 0.2427



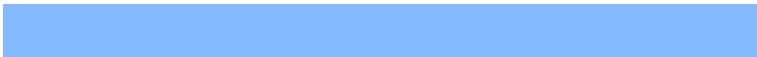
65.6483, 0.4079, 0.4008

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.



46.9045, 0.3456, 0.4301



46.9045, 0.2332, 0.2427



46.9045, 0.4212, 0.3849

Square

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



46.9045, 0.2332, 0.2427



46.9045, 0.3822, 0.3000



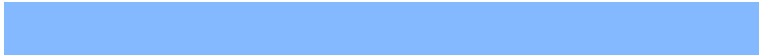
46.9045, 0.3937, 0.4188



46.9045, 0.2449, 0.3564

Rectangle

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



46.9045, 0.2332, 0.2427



46.9045, 0.3085, 0.2570



46.9045, 0.3937, 0.4188



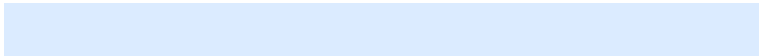
46.9045, 0.3090, 0.4187

Sweetspot

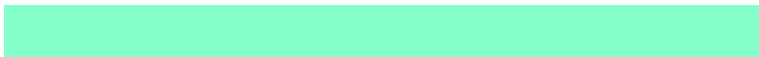
The Sweet Spot groups the original color and five complimentary colors.



46.9060, 0.2332, 0.2427



81.4707, 0.2906, 0.3078



80.7745, 0.2731, 0.3931



16.8757, 0.2871, 0.3042



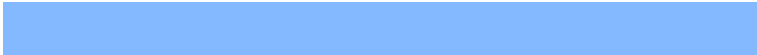
0.0000, 0.0000, 0.0000



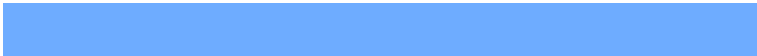
21.4041, 0.3127, 0.3290

Same Dimension

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



46.9060, 0.2332, 0.2427



39.8771, 0.2183, 0.2225



29.6603, 0.2263, 0.1793



18.6512, 0.2979, 0.3150



9.7400, 0.1705, 0.1338



1.1597, 0.1766, 0.1558

Inverse Universe

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



41.5311, 0.3873, 0.2755



35.3009, 0.4096, 0.2668



92.9623, 0.3778, 0.4485



18.1156, 0.3227, 0.3189



11.7112, 0.5275, 0.2680



1.1616, 0.4984, 0.2519

Previews

White Background



This preview shows how the Yxy color 46.9045, 0.2332, 0.2427 looks on a white background.

Color Contrast Check

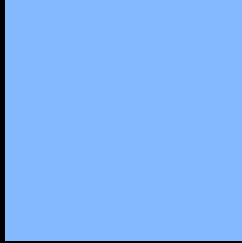
Large Text (above 18pt) WCAG AA × Fail

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 46.9045, 0.2332, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

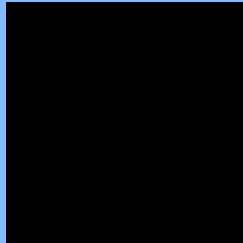
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

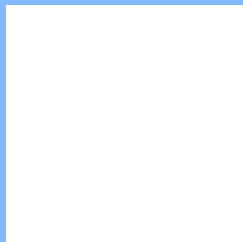
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9045, 0.2332, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 46.9045, 0.2332, 0.2427.



This preview shows how white text looks on a background with the Yxy color 46.9045, 0.2332, 0.2427.

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

46.9045, 0.2332, 0.2427

Protanopia

46.6159, 0.2501, 0.2435

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.1090, 0.2512, 0.3081

Trichromacy



Original Color

46.9045, 0.2332, 0.2427

Protanomaly

46.5601, 0.2433, 0.2427

Deuteranomaly

46.8789, 0.2402, 0.2406

Tritanomaly

47.0377, 0.2441, 0.2823

Monochromacy



Original Color

46.9045, 0.2332, 0.2427

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6274, 0.2787, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9045, 0.2332, 0.2427 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(133, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 185, 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(133, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.9045, 0.2332, 0.2427 is called "border". The border property can be set on classes, ids or directly on the HTML element.

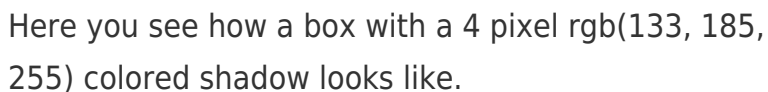
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 185, 255) }
```

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

```
.border{ border-color:rgb(133, 185, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9045, 0.2332, 0.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 185, 255) }
```

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

```
.background{ background-color: rgb(133,  
185, 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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