

Converting Colors

$Yxy(46.3819, 0.2198, 0.2449)$

Have a look what the booklet for
Yxy(46.3819, 0.2198, 0.2449)
contains.

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Color

Yxy(46.3819, 0.2198, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	65BDFF
RGB	101, 189, 255
RGB Percent	40%, 74%, 100%
CMY	0.6033, 0.2589, 0.0000
CMYK	0.60, 0.26, 0.00, 0.00
HSL	206°, 100%, 70%
HSV	206°, 60%, 100%
XYZ	41.6282, 46.3819, 101.3811
YIQ	170.2120, -73.6340, 1.8700

Conversions

Conversions Part 2

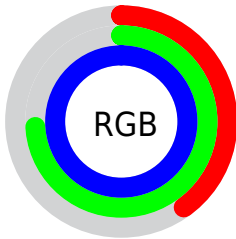
Format	Color
R _Y B	101, 157, 255
Decimal	6667775
CIE Lab	73.79, -7.33, -40.48
CIE LCh	74, 41.140, 259.742
Yxy	46.3819, 0.2198, 0.2449
Android (android.graphics.Color)	4284857855 (0xFF65BDFF)
YUV	170.2120, 41.8005, -60.6989
Hunter-Lab	68.1043, -10.0758, -40.5871

Details

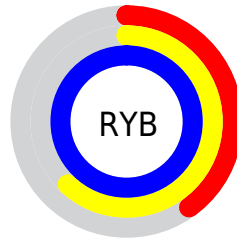
The Yxy color **46.3819, 0.2198, 0.2449** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.9004, 0.4548, 0.3951**, and the grayscale version is **40.1417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3113, 0.2604, 0.3177**, and **21.8047, 0.1969, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **40.5985, 0.2074, 0.2280**, and if you desaturate by 10%, it is **52.9780, 0.2338, 0.2614**.

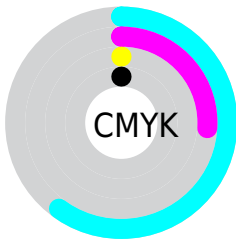
Distribution



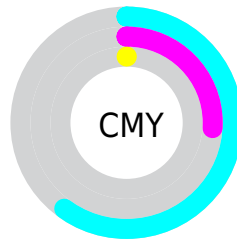
- Red (40%)
- Green (74%)
- Blue (100%)



- Red (40%)
- Yellow (62%)
- Blue (100%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3819, 0.2198, 0.2449 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 46.3819, 0.2198, 0.2449 by changing the saturation by 10% instead.

■ 46.3819, 0.2198,
0.2449

■ 46.3819, 0.2198,
0.2449

372.3419, 0.2641,
0.2859

■ 32.5473, 0.2096,
0.2352

■ 84.7903, 0.2353,
0.2594

■ 21.7799, 0.1970,
0.2231

■ 110.1328, 0.2413,
0.2650

■ 13.6952, 0.1811,
0.2078

■ 140.0801, 0.2465,
0.2698

■ 7.9090, 0.1608,
0.1878

175.0166, 0.2510,
0.2739

■ 4.0368, 0.1342,
0.1610

215.3266, 0.2549,
0.2775

■ 1.6942, 0.0993,
0.1247

261.3945, 0.2583,

■ 0.4199, 0.0350,

0.2806

0.0667

313.6048, 0.2614,
0.2834

■ 0.0000, 0.0000,
0.0000

■ 46.3819, 0.2198,
0.2449

■ 46.3819, 0.2198,
0.2449

■ 40.5985, 0.2074,
0.2280

■ 52.9780, 0.2338,
0.2614

■ 35.5749, 0.1971,
0.2111

■ 60.4312, 0.2489,
0.2770

■ 31.2513, 0.1890,
0.1945

■ 68.7836, 0.2647,
0.2917

■ 27.6484, 0.1831,
0.1791

■ 78.0732, 0.2807,
0.3053

■ 88.3358, 0.2966,
0.3176

99.6049, 0.3122,
0.3287

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



46.3819, 0.2096, 0.2730



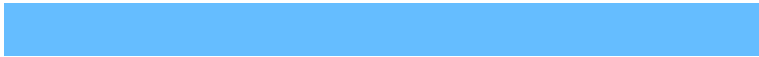
46.3819, 0.2198, 0.2449



46.3819, 0.2525, 0.2390

Triad

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



46.3819, 0.2198, 0.2449



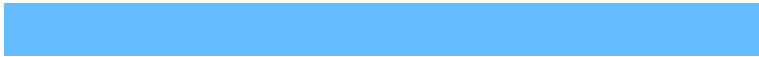
46.3819, 0.4099, 0.3240



46.3819, 0.3130, 0.4244

Complementary

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



46.3819, 0.2198, 0.2449



49.9004, 0.4548, 0.3951

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.



46.3819, 0.3686, 0.4327



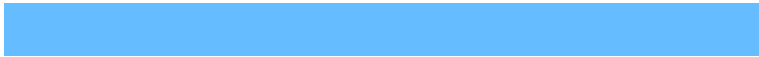
46.3819, 0.2198, 0.2449



46.3819, 0.4278, 0.3688

Square

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



46.3819, 0.2198, 0.2449



46.3819, 0.3627, 0.2831



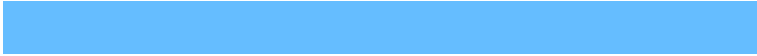
46.3819, 0.4114, 0.4092



46.3819, 0.2601, 0.3811

Rectangle

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



46.3819, 0.2198, 0.2449



46.3819, 0.2852, 0.2463



46.3819, 0.4114, 0.4092



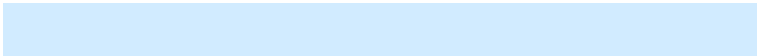
46.3819, 0.3320, 0.4314

Sweetspot

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



46.3823, 0.2198, 0.2449



80.3810, 0.2844, 0.3083



77.0210, 0.2772, 0.4451



16.5909, 0.2798, 0.3045



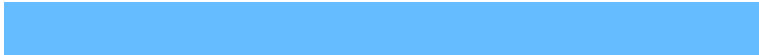
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.3823, 0.2198, 0.2449



39.7107, 0.2056, 0.2252



22.0224, 0.1979, 0.1480



19.0995, 0.2979, 0.3185



14.7493, 0.1838, 0.1817



1.6531, 0.1889, 0.2000

Inverse Universe

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



34.2691, 0.3902, 0.2427



28.9607, 0.4130, 0.2328



85.8132, 0.4050, 0.4610



18.1609, 0.3204, 0.3155



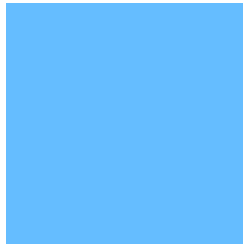
12.2169, 0.4665, 0.2343



1.2114, 0.4453, 0.2226

Previews

White Background



This preview shows how the Yxy color 46.3819, 0.2198, 0.2449 looks on a white background.

Color Contrast Check

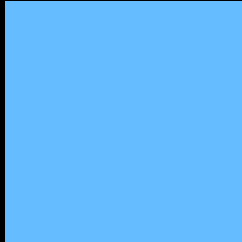
Large Text (above 18pt) WCAG AA × Fail

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 46.3819, 0.2198, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

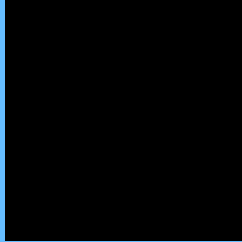
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

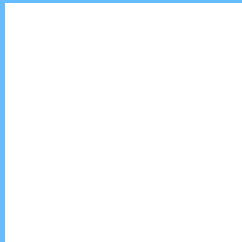
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.3819, 0.2198, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 46.3819, 0.2198, 0.2449.



This preview shows how white text looks on a background with the Yxy color 46.3819, 0.2198, 0.2449.

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

46.3819, 0.2198, 0.2449

Protanopia

45.9682, 0.2522, 0.2463

Deuteranopia

46.1356, 0.2425, 0.2375



Tritanopia

46.5304, 0.2332, 0.3060

Trichromacy



Original Color

46.3819, 0.2198, 0.2449

Protanomaly

45.7844, 0.2386, 0.2457

Deuteranomaly

46.1553, 0.2333, 0.2402

Tritanomaly

46.3089, 0.2280, 0.2822

Monochromacy



Original Color

46.3819, 0.2198, 0.2449

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.6811, 0.2692, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3819, 0.2198, 0.2449 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(101, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(101, 189, 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(101, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.3819, 0.2198, 0.2449 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(101, 189, 255) }
```

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

```
.border{ border-color:rgb(101, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(101, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3819, 0.2198, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 189, 255) }
```

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

```
.background{ background-color: rgb(101,  
189, 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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