

Converting Colors

$Y_{xy}(47.0599, 0.2243, 0.2458)$

Have a look what the booklet for
Yxy(47.0599, 0.2243, 0.2458)
contains.

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Color

Yxy(47.0599, 0.2243, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	70BDFE
RGB	112, 189, 255
RGB Percent	44%, 74%, 100%
CMY	0.5603, 0.2589, 0.0000
CMYK	0.56, 0.26, 0.00, 0.00
HSL	208°, 100%, 72%
HSV	208°, 56%, 100%
XYZ	42.9436, 47.0599, 101.4526
YIQ	173.5010, -67.0780, 4.2020

Conversions

Conversions Part 2

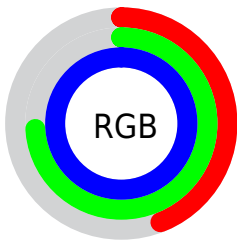
Format	Color
RYB	112, 162, 255
Decimal	7388671
CIELab	74.23, -5.25, -39.78
CIELCh	74, 40.122, 262.488
Yxy	47.0599, 0.2243, 0.2458
Android (android.graphics.Color)	4285578751 (0xFF70BDFF)
YUV	173.5010, 40.1790, -53.9364
Hunter-Lab	68.6002, -8.3098, -39.6636

Details

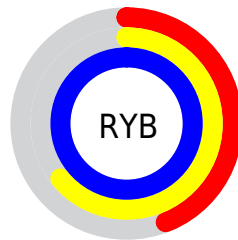
The Yxy color **47.0599, 0.2243, 0.2458** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.3260, 0.4384, 0.3962**, and the grayscale version is **41.8870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2955, 0.2648, 0.3179**, and **22.2210, 0.2026, 0.2246** is the 20% darker color. If you saturate the color by 10%, you get **40.7510, 0.2107, 0.2277**, and if you desaturate by 10%, it is **54.2537, 0.2393, 0.2633**.

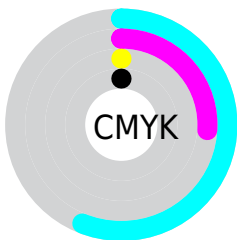
Distribution



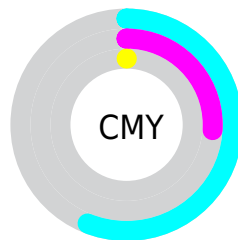
- Red (44%)
- Green (74%)
- Blue (100%)



- Red (44%)
- Yellow (64%)
- Blue (100%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0599, 0.2243, 0.2458 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 47.0599, 0.2243, 0.2458 by changing the saturation by 10% instead.

■ 47.0599, 0.2243,
0.2458

■ 47.0599, 0.2243,
0.2458

375.0536, 0.2665,
0.2862

■ 33.0830, 0.2145,
0.2363

■ 85.8030, 0.2391,
0.2601

■ 22.1900, 0.2025,
0.2245

■ 111.3381, 0.2448,
0.2656

■ 13.9966, 0.1872,
0.2094

■ 141.4946, 0.2497,
0.2703

■ 8.1183, 0.1677,
0.1899

176.6570, 0.2540,
0.2743

■ 4.1707, 0.1419,
0.1637

217.2097, 0.2577,
0.2779

■ 1.7695, 0.1076,
0.1281

263.5371, 0.2610,

■ 0.4681, 0.0491,

0.2810

0.0726

316.0236, 0.2639,
0.2837

0.0000, 0.0000,
0.0000

47.0599, 0.2243,
0.2458

47.0599, 0.2243,
0.2458

40.7510, 0.2107,
0.2277

54.2537, 0.2393,
0.2633

35.2770, 0.1990,
0.2094

62.3789, 0.2551,
0.2799

30.5794, 0.1894,
0.1914

71.4771, 0.2713,
0.2952

26.5879, 0.1823,
0.1741

81.5873, 0.2875,
0.3093

25.1628, 0.1799,
0.1675

92.7459, 0.3034,
0.3220

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.



47.0599, 0.2123, 0.2713



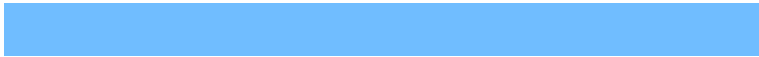
47.0599, 0.2243, 0.2458



47.0599, 0.2582, 0.2418

Triad

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



47.0599, 0.2243, 0.2458



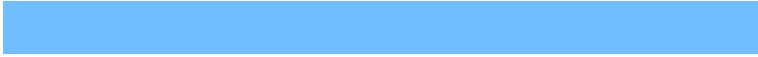
47.0599, 0.4100, 0.3283



47.0599, 0.3081, 0.4188

Complementary

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



47.0599, 0.2243, 0.2458



54.3260, 0.4384, 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.



47.0599, 0.3625, 0.4304



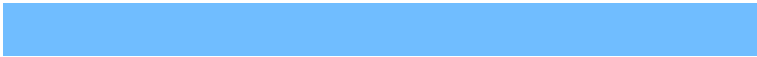
47.0599, 0.2243, 0.2458



47.0599, 0.4243, 0.3719

Square

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



47.0599, 0.2243, 0.2458



47.0599, 0.3662, 0.2877



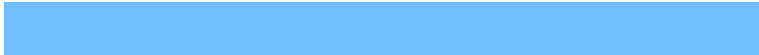
47.0599, 0.4058, 0.4101



47.0599, 0.2575, 0.3745

Rectangle

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



47.0599, 0.2243, 0.2458



47.0599, 0.2909, 0.2501



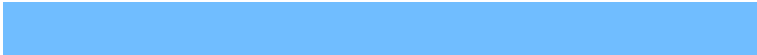
47.0599, 0.4058, 0.4101



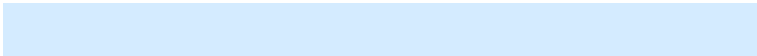
47.0599, 0.3266, 0.4267

Sweetspot

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



47.0596, 0.2243, 0.2458



80.5650, 0.2860, 0.3080



78.1232, 0.2763, 0.4288



16.7960, 0.2827, 0.3052



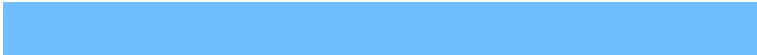
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.0596, 0.2243, 0.2458



40.1864, 0.2095, 0.2260



23.9276, 0.2052, 0.1565



18.9965, 0.2979, 0.3177



13.4504, 0.1806, 0.1703



1.5283, 0.1860, 0.1897

Inverse Universe

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



36.5470, 0.3878, 0.2520



30.7610, 0.4105, 0.2416



89.4785, 0.3970, 0.4572



18.1505, 0.3209, 0.3163



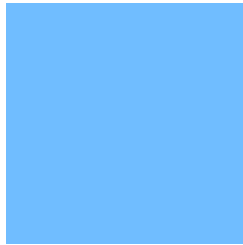
12.0858, 0.4803, 0.2420



1.1988, 0.4571, 0.2292

Previews

White Background



This preview shows how the Yxy color 47.0599, 0.2243, 0.2458 looks on a white background.

Color Contrast Check

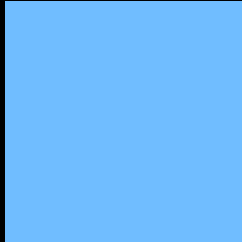
Large Text (above 18pt) WCAG AA × Fail

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 47.0599, 0.2243, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

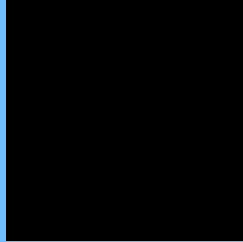
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

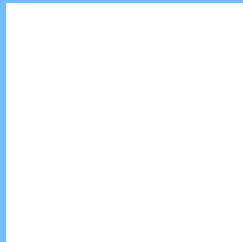
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0599, 0.2243, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 47.0599, 0.2243, 0.2458.



This preview shows how white text looks on a background with the Yxy color 47.0599, 0.2243, 0.2458.

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

47.0599, 0.2243, 0.2458

Protanopia

46.6370, 0.2531, 0.2469

Deuteranopia

46.8311, 0.2445, 0.2391



Tritanopia

47.2234, 0.2387, 0.3063

Trichromacy



Original Color

47.0599, 0.2243, 0.2458

Protanomaly

46.6984, 0.2412, 0.2465

Deuteranomaly

46.5759, 0.2359, 0.2408

Tritanomaly

47.0098, 0.2333, 0.2828

Monochromacy



Original Color

47.0599, 0.2243, 0.2458

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.1313, 0.2725, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0599, 0.2243, 0.2458 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(112, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 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(112, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.0599, 0.2243, 0.2458 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(112, 189, 255) }
```

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

```
.border{ border-color:rgb(112, 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(112, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 189, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 189, 255); box-shadow:4px 4px 4px 4px rgb(112, 189, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0599, 0.2243, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 189, 255) }
```

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

```
.background{ background-color: rgb(112,  
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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