

Converting Colors

$Y_{xy}(41.5284, 0.2298, 0.2254)$

Have a look what the booklet for
Yxy(41.5284, 0.2298, 0.2254)
contains.

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Color

Yxy(41.7116, 0.2301, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	85ACFF
RGB	133, 172, 255
RGB Percent	52%, 67%, 100%
CMY	0.4782, 0.3256, 0.0000
CMYK	0.48, 0.33, 0.00, 0.00
HSL	221°, 100%, 76%
HSV	221°, 48%, 100%
XYZ	42.4871, 41.7116, 100.4476
YIQ	169.8010, -49.8870, 17.5450

Conversions

Conversions Part 2

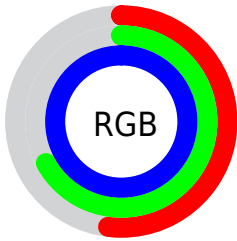
Format	Color
RYB	133, 163, 255
Decimal	8760575
CIELab	70.67, 8.72, -45.26
CIELCh	71, 46.094, 280.905
Yxy	41.7116, 0.2301, 0.2259
Android (android.graphics.Color)	4286950655 (0xFF85ACFF)
YUV	169.8010, 42.0031, -32.2745
Hunter-Lab	64.5845, 4.4038, -47.0039

Details

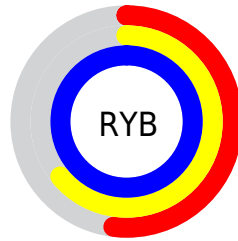
The Yxy color **41.7116, 0.2301, 0.2259** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **72.1110, 0.4012, 0.4130**, and the grayscale version is **39.9053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2345, 0.2730, 0.2984**, and **18.9660, 0.2083, 0.2002** is the 20% darker color. If you saturate the color by 10%, you get **33.6982, 0.2124, 0.1997**, and if you desaturate by 10%, it is **51.0908, 0.2484, 0.2511**.

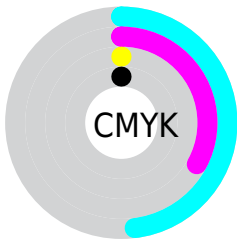
Distribution



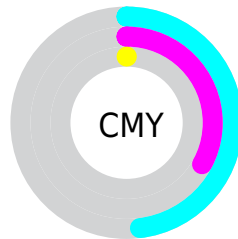
- Red (52%)
- Green (67%)
- Blue (100%)



- Red (52%)
- Yellow (64%)
- Blue (100%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7116, 0.2301, 0.2259 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 41.7116, 0.2301, 0.2259 by changing the saturation by 10% instead.

 41.7116, 0.2301,
0.2259

 41.7116, 0.2301,
0.2259

353.2860, 0.2707,
0.2752


 28.8755, 0.2205,
0.2145


 77.7630, 0.2445,
0.2432

 18.9867, 0.2084,
0.2005


 101.7470, 0.2500,
0.2499

 11.6607, 0.1931,
0.1829


 130.2159, 0.2548,
0.2556

 6.5131, 0.1732,
0.1604

163.5540, 0.2588,
0.2606

 3.1595, 0.1466,
0.1313

202.1456, 0.2624,
0.2649

 1.2156, 0.1107,
0.0935

246.3752, 0.2655,

 0.0744, 0.0483,

0.2688

0.0127

296.6272, 0.2682,
0.2722

0.0000, 0.0000,
0.0000

41.7116, 0.2301,
0.2259

41.7116, 0.2301,
0.2259

33.6982, 0.2124,
0.1997

51.0908, 0.2484,
0.2511

26.9823, 0.1960,
0.1733

61.9025, 0.2666,
0.2747

21.4858, 0.1819,
0.1479

74.2065, 0.2841,
0.2962

17.1210, 0.1707,
0.1248

88.0594, 0.3006,
0.3154

13.7805, 0.1628,
0.1050

100.0000, 0.3127,
0.3290

■ 13.1620, 0.1614,
0.1011

Harmonies

Analogous

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



41.7116, 0.2007, 0.2389



41.7116, 0.2301, 0.2259



41.7116, 0.2829, 0.2358

Triad

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



41.7116, 0.2301, 0.2259



41.7116, 0.4443, 0.3577



41.7116, 0.2678, 0.4087

Complementary

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



41.7116, 0.2301, 0.2259



72.1110, 0.4012, 0.4130

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.



41.7116, 0.3311, 0.4486



41.7116, 0.2301, 0.2259



41.7116, 0.4355, 0.4069

Square

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



41.7116, 0.2301, 0.2259



41.7116, 0.4123, 0.3078



41.7116, 0.3928, 0.4436



41.7116, 0.2197, 0.3406

Rectangle

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



41.7116, 0.2301, 0.2259



41.7116, 0.3273, 0.2533



41.7116, 0.3928, 0.4436



41.7116, 0.2880, 0.4267

Sweetspot

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



41.7109, 0.2301, 0.2259



79.3071, 0.2905, 0.3038



81.3854, 0.2674, 0.3776



16.3517, 0.2869, 0.2995



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.



41.7109, 0.2301, 0.2259



34.3025, 0.2138, 0.2018



30.8244, 0.2347, 0.1824



18.3239, 0.2979, 0.3123



7.1141, 0.1622, 0.1039



0.8799, 0.1684, 0.1261

Inverse Universe

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



41.0319, 0.4019, 0.2889



34.7381, 0.4294, 0.2826



90.8228, 0.3693, 0.4523



18.0826, 0.3244, 0.3214



11.4461, 0.5700, 0.2913



1.1334, 0.5380, 0.2737

Previews

White Background



This preview shows how the Yxy color 41.7116, 0.2301, 0.2259 looks on a white background.

Color Contrast Check

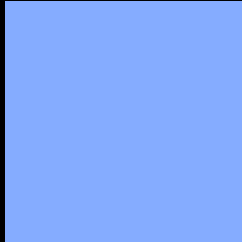
Large Text (above 18pt) WCAG AA × Fail

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 41.7116, 0.2301, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

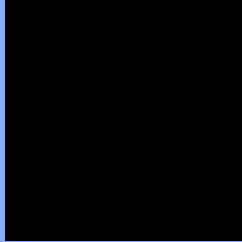
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

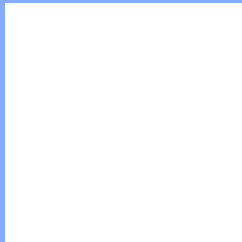
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.7116, 0.2301, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 41.7116, 0.2301, 0.2259.



This preview shows how white text looks on a background with the Yxy color 41.7116, 0.2301, 0.2259.

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

41.7116, 0.2301, 0.2259

Protanopia

41.8610, 0.2375, 0.2271

Deuteranopia

41.5801, 0.2315, 0.2251



Tritanopia

41.6572, 0.2531, 0.3071

Trichromacy



Original Color

41.7116, 0.2301, 0.2259

Protanomaly

41.9443, 0.2349, 0.2268

Deuteranomaly

41.4967, 0.2310, 0.2249

Tritanomaly

41.4922, 0.2438, 0.2739

Monochromacy



Original Color

41.7116, 0.2301, 0.2259

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5110, 0.2776, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7116, 0.2301, 0.2259 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, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 172, 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, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.7116, 0.2301, 0.2259 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, 172, 255) }
```

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

```
.border{ border-color:rgb(133, 172, 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, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7116, 0.2301, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 172, 255) }
```

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

```
.background{ background-color: rgb(133,  
172, 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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