

Converting Colors

$Y_{xy}(41.8758, 0.2255, 0.2345)$

Have a look what the booklet for
Yxy(41.8758, 0.2255, 0.2345)
contains.

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Color

Yxy(41.8043, 0.2256, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	76B0FA
RGB	118, 176, 250
RGB Percent	46%, 69%, 98%
CMY	0.5371, 0.3098, 0.0197
CMYK	0.53, 0.30, 0.00, 0.02
HSL	214°, 93%, 72%
HSV	214°, 53%, 98%
XYZ	40.2520, 41.8043, 96.3658
YIQ	167.0940, -58.3220, 10.7180

Conversions

Conversions Part 2

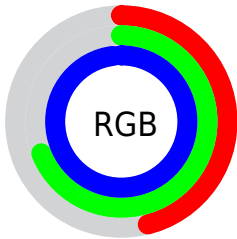
Format	Color
R _Y B	118, 158, 250
Decimal	7778554
CIE Lab	70.74, 1.62, -42.48
CIE LCh	71, 42.508, 272.182
Yxy	41.8043, 0.2256, 0.2343
Android (android.graphics.Color)	4285968634 (0xFF76B0FA)
YUV	167.0940, 40.8727, -43.0554
Hunter-Lab	64.6562, -2.0225, -43.1084

Details

The Yxy color **41.8043, 0.2256, 0.2343** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **59.3341, 0.4208, 0.4057**, and the grayscale version is **38.5152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7189, 0.2655, 0.3023**, and **19.0778, 0.2031, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **35.0651, 0.2101, 0.2124**, and if you desaturate by 10%, it is **49.5776, 0.2422, 0.2554**.

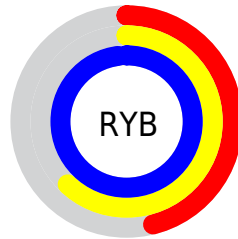
Distribution



Red (46%)

Green (69%)

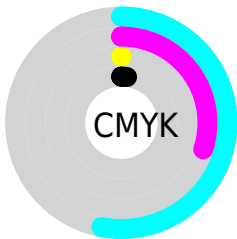
Blue (98%)



Red (46%)

Yellow (62%)

Blue (98%)

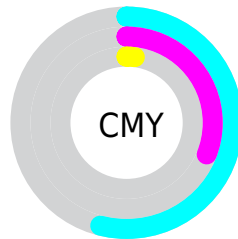


Cyan (53%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (54%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.8043, 0.2256, 0.2343 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 41.8043, 0.2256, 0.2343 by changing the saturation by 10% instead.

■ 41.8043, 0.2256,
0.2343

■ 41.8043, 0.2256,
0.2343

■ 353.6710, 0.2682,
0.2803

■ 28.9481, 0.2155,
0.2235

■ 77.9034, 0.2407,
0.2506

■ 19.0416, 0.2030,
0.2100

■ 101.9150, 0.2465,
0.2568

■ 11.7003, 0.1871,
0.1930

■ 130.4139, 0.2514,
0.2622

■ 6.5400, 0.1664,
0.1709

■ 163.7844, 0.2557,
0.2668

■ 3.1761, 0.1389,
0.1417

■ 202.4110, 0.2594,
0.2708

■ 1.2243, 0.1020,
0.1029

■ 246.6781, 0.2627,

■ 0.0815, 0.0228,

0.2744

0.0159

296.9699, 0.2656,
0.2775

0.0000, 0.0000,
0.0000

41.8043, 0.2256,
0.2343

41.8043, 0.2256,
0.2343

35.0651, 0.2101,
0.2124

49.5776, 0.2422,
0.2554

29.3010, 0.1962,
0.1903

58.4304, 0.2592,
0.2753

24.4522, 0.1847,
0.1687

68.4102, 0.2761,
0.2936

20.4472, 0.1758,
0.1484

79.5601, 0.2927,
0.3103

18.0118, 0.1708,
0.1349

91.9205, 0.3085,
0.3252

99.6803, 0.3156,
0.3338

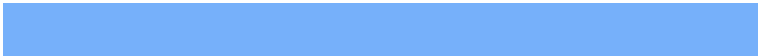
Harmonies

Analogous

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



41.8043, 0.2048, 0.2538



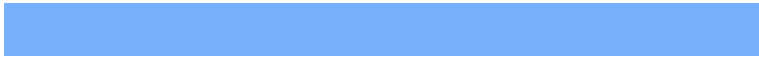
41.8043, 0.2256, 0.2343



41.8043, 0.2691, 0.2374

Triad

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



41.8043, 0.2256, 0.2343



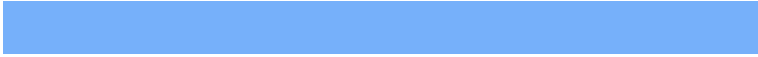
41.8043, 0.4292, 0.3428



41.8043, 0.2879, 0.4163

Complementary

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



41.8043, 0.2256, 0.2343



59.3341, 0.4208, 0.4057

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.



41.8043, 0.3479, 0.4415



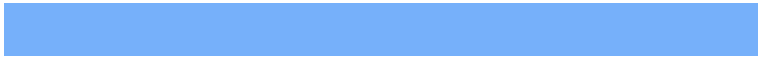
41.8043, 0.2256, 0.2343



41.8043, 0.4324, 0.3896

Square

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



41.8043, 0.2256, 0.2343



41.8043, 0.3899, 0.2970



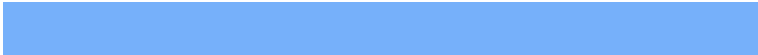
41.8043, 0.4013, 0.4278



41.8043, 0.2375, 0.3589

Rectangle

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



41.8043, 0.2256, 0.2343



41.8043, 0.3081, 0.2504



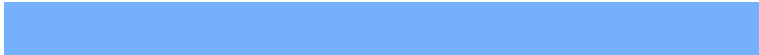
41.8043, 0.4013, 0.4278



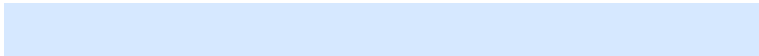
41.8043, 0.3076, 0.4292

Sweetspot

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



41.8058, 0.2256, 0.2343



79.3290, 0.2874, 0.3051



75.9524, 0.2714, 0.4040



16.4612, 0.2840, 0.3017



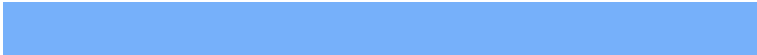
0.0000, 0.0000, 0.0000



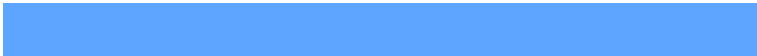
21.4041, 0.3127, 0.3290

Same Dimension

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



41.8058, 0.2256, 0.2343



36.5009, 0.2097, 0.2117



24.2008, 0.2146, 0.1616



17.8978, 0.2979, 0.3153



9.8317, 0.1717, 0.1379



1.1177, 0.1780, 0.1609

Inverse Universe

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



36.4207, 0.3968, 0.2689



32.0416, 0.4229, 0.2603



88.7841, 0.3849, 0.4584



17.3519, 0.3225, 0.3186



11.4034, 0.5219, 0.2649



1.0771, 0.4920, 0.2484

Previews

White Background



This preview shows how the Yxy color 41.8043, 0.2256, 0.2343 looks on a white background.

Color Contrast Check

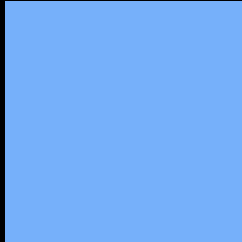
Large Text (above 18pt) WCAG AA × Fail

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 41.8043, 0.2256, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

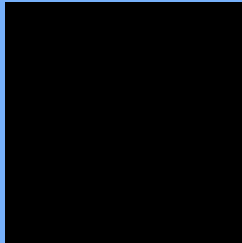
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

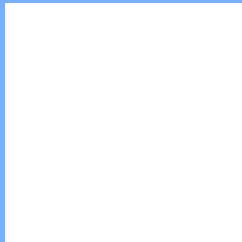
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8043, 0.2256, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 41.8043, 0.2256, 0.2343.



This preview shows how white text looks on a background with the Yxy color 41.8043, 0.2256, 0.2343.

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

41.8043, 0.2256, 0.2343

Protanopia

41.7316, 0.2442, 0.2356

Deuteranopia

41.6663, 0.2357, 0.2296



Tritanopia

41.6348, 0.2442, 0.3068

Trichromacy



Original Color

41.8043, 0.2256, 0.2343

Protanomaly

41.6237, 0.2368, 0.2346

Deuteranomaly

41.7577, 0.2317, 0.2310

Tritanomaly

41.6437, 0.2370, 0.2784

Monochromacy



Original Color

41.8043, 0.2256, 0.2343

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1702, 0.2740, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8043, 0.2256, 0.2343 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(118, 176, 250)` looks like.

```
.text, #text, p{  
    color:rgb(118, 176, 250)  
}
```

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(118, 176, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 176, 250) }
```

Border

The CSS property to change the border of an element to Yxy 41.8043, 0.2256, 0.2343 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(118, 176, 250) }
```

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

```
.border{ border-color:rgb(118, 176, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 176, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(118, 176,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8043, 0.2256, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 176, 250) }
```

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

```
.background{ background-color: rgb(118,  
176, 250) }
```

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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