

Converting Colors

$Y_{xy}(43.3009, 0.2277, 0.2432)$

Have a look what the booklet for
Yxy(43.3009, 0.2277, 0.2432)
contains.

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Color

Yxy(43.1398, 0.2275, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	75B4F7
RGB	117, 180, 247
RGB Percent	46%, 71%, 97%
CMY	0.5413, 0.2941, 0.0315
CMYK	0.53, 0.27, 0.00, 0.03
HSL	211°, 89%, 71%
HSV	211°, 53%, 97%
XYZ	40.4380, 43.1398, 94.1717
YIQ	168.8010, -59.0550, 7.4810

Conversions

Conversions Part 2

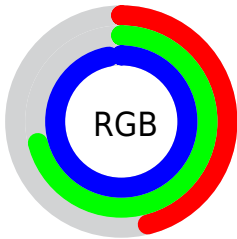
Format	Color
R _Y B	117, 159, 247
Decimal	7714039
CIE Lab	71.65, -1.74, -39.43
CIE LCh	72, 39.472, 267.468
Yxy	43.1398, 0.2275, 0.2427
Android (android.graphics.Color)	4285904119 (0xFF75B4F7)
YUV	168.8010, 38.5521, -45.4295
Hunter-Lab	65.6809, -5.0438, -39.0319

Details

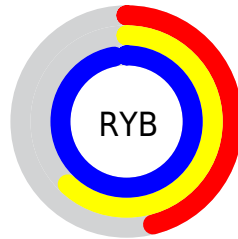
The Yxy color **43.1398, 0.2275, 0.2427** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.3008, 0.4241, 0.3996**, and the grayscale version is **39.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4410, 0.2656, 0.3079**, and **19.9403, 0.2058, 0.2214** is the 20% darker color. If you saturate the color by 10%, you get **36.7483, 0.2126, 0.2226**, and if you desaturate by 10%, it is **50.4569, 0.2435, 0.2620**.

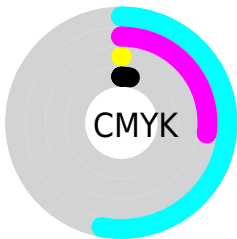
Distribution



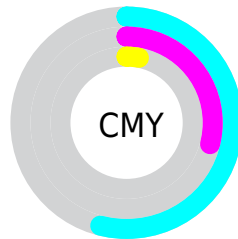
- Red (46%)
- Green (71%)
- Blue (97%)



- Red (46%)
- Yellow (62%)
- Blue (97%)



- Cyan (53%)
- Magenta (27%)
- Yellow (0%)
- Black (3%)



- Cyan (54%)
- Magenta (29%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1398, 0.2275, 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 43.1398, 0.2275, 0.2427 by changing the saturation by 10% instead.

■ 43.1398, 0.2275,
0.2427

■ 43.1398, 0.2275,
0.2427

■ 359.1864, 0.2690,
0.2849

■ 29.9948, 0.2177,
0.2327

■ 79.9218, 0.2422,
0.2577

■ 19.8347, 0.2055,
0.2202

■ 104.3276, 0.2478,
0.2634

■ 12.2749, 0.1900,
0.2042

■ 133.2558, 0.2526,
0.2683

■ 6.9312, 0.1698,
0.1833

■ 167.0907, 0.2568,
0.2726

■ 3.4191, 0.1428,
0.1552

■ 206.2169, 0.2604,
0.2762

■ 1.3543, 0.1063,
0.1169

■ 251.0186, 0.2636,

■ 0.1826, 0.0264,

0.2795

0.0369

301.8803, 0.2664,
0.2824

0.0000, 0.0000,
0.0000

43.1398, 0.2275,
0.2427

43.1398, 0.2275,
0.2427

36.7483, 0.2126,
0.2226

50.4569, 0.2435,
0.2620

31.2288, 0.1994,
0.2023

58.7393, 0.2600,
0.2801

26.5277, 0.1884,
0.1822

68.0299, 0.2766,
0.2968

22.5805, 0.1798,
0.1630

78.3668, 0.2929,
0.3120

20.0940, 0.1749,
0.1497

89.7862, 0.3087,
0.3256

99.4940, 0.3174,
0.3367

Harmonies

Analogous

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



43.1398, 0.2116, 0.2647



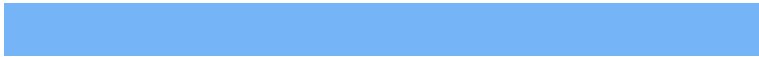
43.1398, 0.2275, 0.2427



43.1398, 0.2651, 0.2422

Triad

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



43.1398, 0.2275, 0.2427



43.1398, 0.4160, 0.3355



43.1398, 0.2988, 0.4146

Complementary

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



43.1398, 0.2275, 0.2427



55.3008, 0.4241, 0.3996

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.



43.1398, 0.3543, 0.4323



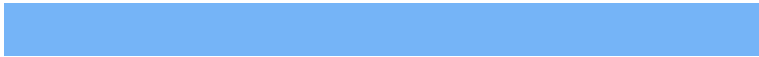
43.1398, 0.2275, 0.2427



43.1398, 0.4248, 0.3793

Square

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



43.1398, 0.2275, 0.2427



43.1398, 0.3757, 0.2935



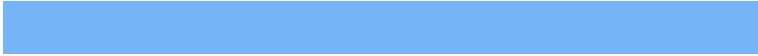
43.1398, 0.4010, 0.4161



43.1398, 0.2497, 0.3657

Rectangle

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



43.1398, 0.2275, 0.2427



43.1398, 0.2998, 0.2525



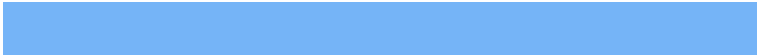
43.1398, 0.4010, 0.4161



43.1398, 0.3173, 0.4246

Sweetspot

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



43.1414, 0.2275, 0.2427



80.3847, 0.2875, 0.3070



73.6624, 0.2746, 0.4125



16.7121, 0.2841, 0.3039



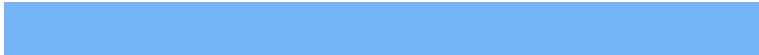
0.0000, 0.0000, 0.0000



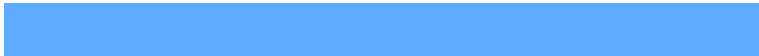
21.4041, 0.3127, 0.3290

Same Dimension

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



43.1414, 0.2275, 0.2427



39.2233, 0.2120, 0.2217



23.2055, 0.2108, 0.1606



17.2533, 0.2980, 0.3165



10.9112, 0.1758, 0.1527



1.1639, 0.1822, 0.1758

Inverse Universe

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



35.7785, 0.3892, 0.2630



32.3165, 0.4131, 0.2531



87.5607, 0.3893, 0.4557



16.6165, 0.3217, 0.3176



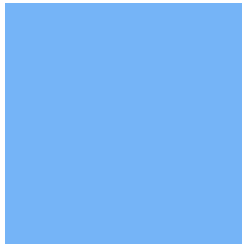
11.2009, 0.5024, 0.2541



1.0051, 0.4736, 0.2383

Previews

White Background



This preview shows how the Yxy color 43.1398, 0.2275, 0.2427 looks on a white background.

Color Contrast Check

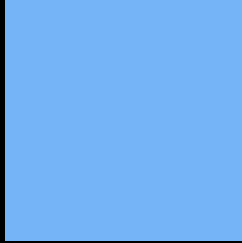
Large Text (above 18pt) WCAG AA × Fail

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 43.1398, 0.2275, 0.2427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

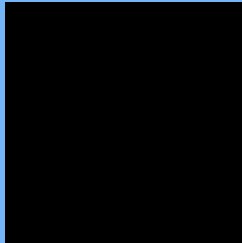
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

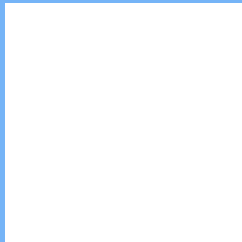
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.1398, 0.2275, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 43.1398, 0.2275, 0.2427.



This preview shows how white text looks on a background with the Yxy color 43.1398, 0.2275, 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

43.1398, 0.2275, 0.2427

Protanopia

42.7259, 0.2500, 0.2430

Deuteranopia

42.9297, 0.2414, 0.2351



Tritanopia

43.1030, 0.2440, 0.3071

Trichromacy



Original Color

43.1398, 0.2275, 0.2427

Protanomaly

42.7937, 0.2413, 0.2430

Deuteranomaly

43.0622, 0.2361, 0.2385

Tritanomaly

42.9382, 0.2373, 0.2815

Monochromacy



Original Color

43.1398, 0.2275, 0.2427

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.4024, 0.2752, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1398, 0.2275, 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(117, 180, 247)` looks like.

```
.text, #text, p{  
    color:rgb(117, 180, 247)  
}
```

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(117, 180, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 180, 247) }
```

Border

The CSS property to change the border of an element to Yxy 43.1398, 0.2275, 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(117, 180, 247) }
```

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

```
.border{ border-color:rgb(117, 180, 247) }
```

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

Here you see how a box with a 4 pixel rgb(117, 180, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 180, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 180, 247);  
box-shadow:4px 4px 4px 4px rgb(117, 180,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1398, 0.2275, 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(117, 180, 247) }
```

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

```
.background{ background-color: rgb(117,  
180, 247) }
```

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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