

Converting Colors

$Y_{xy}(44.7038, 0.2319, 0.2371)$

Have a look what the booklet for
Yxy(44.7038, 0.2319, 0.2371)
contains.

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Color

Yxy(44.7038, 0.2319, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	84B4FE
RGB	132, 180, 254
RGB Percent	52%, 71%, 100%
CMY	0.4826, 0.2941, 0.0038
CMYK	0.48, 0.29, 0.00, 0.00
HSL	216°, 98%, 76%
HSV	216°, 48%, 100%
XYZ	43.7234, 44.7038, 100.1169
YIQ	174.0840, -52.3620, 12.8380

Conversions

Conversions Part 2

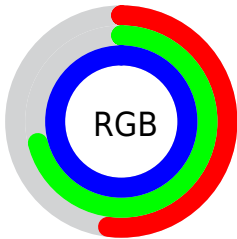
Format	Color
R _Y B	132, 166, 254
Decimal	8697086
CIE Lab	72.70, 3.67, -41.56
CIE LCh	73, 41.718, 275.040
Yxy	44.7038, 0.2319, 0.2371
Android (android.graphics.Color)	4286887166 (0xFF84B4FE)
YUV	174.0840, 39.3986, -36.9077
Hunter-Lab	66.8609, -0.2773, -41.9777

Details

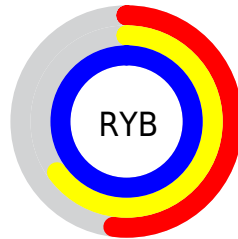
The Yxy color **44.7038, 0.2319, 0.2371** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.8685, 0.4063, 0.4049**, and the grayscale version is **42.1825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1581, 0.2733, 0.3083**, and **20.8860, 0.2114, 0.2149** is the 20% darker color. If you saturate the color by 10%, you get **37.0242, 0.2152, 0.2137**, and if you desaturate by 10%, it is **53.5761, 0.2493, 0.2595**.

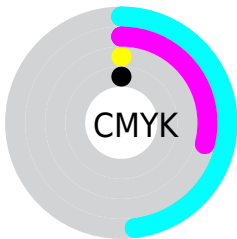
Distribution



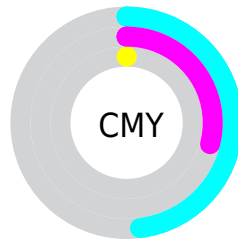
- Red (52%)
- Green (71%)
- Blue (100%)



- Red (52%)
- Yellow (65%)
- Blue (100%)



- Cyan (48%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7038, 0.2319, 0.2371 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 44.7038, 0.2319, 0.2371 by changing the saturation by 10% instead.


 44.7038, 0.2319,
0.2371


 44.7038, 0.2319,
0.2371


365.5726, 0.2711,
0.2812

 31.2242, 0.2227,
0.2268


 82.2758, 0.2458,
0.2526

 20.7696, 0.2112,
0.2141


 107.1369, 0.2511,
0.2586

 12.9557, 0.1966,
0.1981


 136.5606, 0.2557,
0.2637

 7.3981, 0.1775,
0.1773

170.9314, 0.2596,
0.2682

 3.7123, 0.1521,
0.1500

210.6336, 0.2630,
0.2721

 1.5139, 0.1176,
0.1134

256.0516, 0.2661,

 0.2985, 0.0608,

0.2755

0.0486

307.5698, 0.2688,
0.2785

0.0000, 0.0000,
0.0000

44.7038, 0.2319,
0.2371

44.7038, 0.2319,
0.2371

37.0242, 0.2152,
0.2137

53.5761, 0.2493,
0.2595

30.4733, 0.1998,
0.1898

63.6909, 0.2668,
0.2803

24.9869, 0.1866,
0.1664

75.1007, 0.2839,
0.2994

20.4904, 0.1760,
0.1444

87.8530, 0.3002,
0.3166

16.8899, 0.1683,
0.1246

99.9379, 0.3133,
0.3299

■ 16.2743, 0.1670,
0.1210

Harmonies

Analogous

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



44.7038, 0.2095, 0.2539



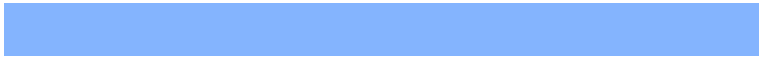
44.7038, 0.2319, 0.2371



44.7038, 0.2759, 0.2419

Triad

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



44.7038, 0.2319, 0.2371



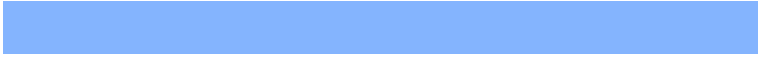
44.7038, 0.4263, 0.3470



44.7038, 0.2838, 0.4082

Complementary

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



44.7038, 0.2319, 0.2371



66.8685, 0.4063, 0.4049

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.



44.7038, 0.3414, 0.4361



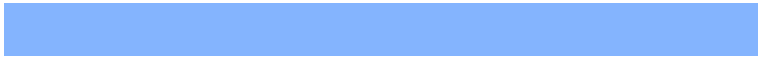
44.7038, 0.2319, 0.2371



44.7038, 0.4263, 0.3918

Square

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



44.7038, 0.2319, 0.2371



44.7038, 0.3916, 0.3023



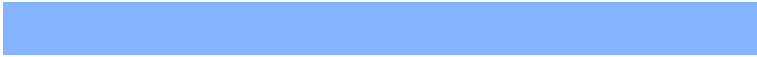
44.7038, 0.3940, 0.4266



44.7038, 0.2368, 0.3519

Rectangle

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



44.7038, 0.2319, 0.2371



44.7038, 0.3141, 0.2556



44.7038, 0.3940, 0.4266



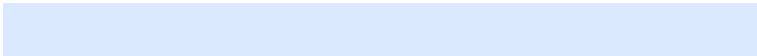
44.7038, 0.3026, 0.4217

Sweetspot

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



44.7054, 0.2319, 0.2371



80.8056, 0.2906, 0.3066



80.2229, 0.2710, 0.3882



16.7145, 0.2870, 0.3028



0.0000, 0.0000, 0.0000



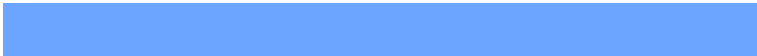
21.4041, 0.3127, 0.3290

Same Dimension

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



44.7054, 0.2319, 0.2371



37.3804, 0.2153, 0.2138



29.5885, 0.2286, 0.1796



18.5509, 0.2979, 0.3142



8.8447, 0.1678, 0.1240



1.0668, 0.1740, 0.1464

Inverse Universe

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



40.8602, 0.3922, 0.2793



34.5248, 0.4184, 0.2709



91.4150, 0.3752, 0.4503



18.1055, 0.3232, 0.3197



11.6208, 0.5410, 0.2754



1.1522, 0.5106, 0.2587

Previews

White Background



This preview shows how the Yxy color 44.7038, 0.2319, 0.2371 looks on a white background.

Color Contrast Check

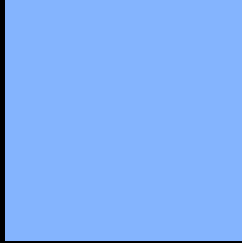
Large Text (above 18pt) WCAG AA × Fail

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 44.7038, 0.2319, 0.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

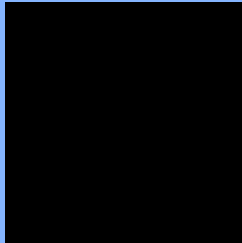
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

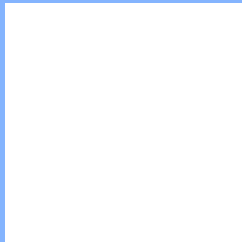
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7038, 0.2319, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 44.7038, 0.2319, 0.2371.



This preview shows how white text looks on a background with the Yxy color 44.7038, 0.2319, 0.2371.

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

44.7038, 0.2319, 0.2371

Protanopia

44.5306, 0.2462, 0.2378

Deuteranopia

44.5666, 0.2395, 0.2331



Tritanopia

44.5849, 0.2511, 0.3063

Trichromacy



Original Color

44.7038, 0.2319, 0.2371

Protanomaly

44.6124, 0.2412, 0.2382

Deuteranomaly

44.4151, 0.2363, 0.2336

Tritanomaly

44.5831, 0.2434, 0.2789

Monochromacy



Original Color

44.7038, 0.2319, 0.2371

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.7334, 0.2782, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7038, 0.2319, 0.2371 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(132, 180, 254)` looks like.

```
.text, #text, p{  
    color:rgb(132, 180, 254)  
}
```

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(132, 180, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 180, 254) }
```

Border

The CSS property to change the border of an element to Yxy 44.7038, 0.2319, 0.2371 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(132, 180, 254) }
```

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

```
.border{ border-color:rgb(132, 180, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 180, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 180, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 180, 254);  
box-shadow:4px 4px 4px 4px rgb(132, 180,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7038, 0.2319, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 180, 254) }
```

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

```
.background{ background-color: rgb(132,  
180, 254) }
```

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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