

Converting Colors

$Y_{xy}(46.5015, 0.2125, 0.1902)$

Have a look what the booklet for
Yxy(46.5015, 0.2125, 0.1902)
contains.

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Color

Yxy(43.0308, 0.2319, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	87AFFF
RGB	135, 175, 255
RGB Percent	53%, 69%, 100%
CMY	0.4706, 0.3137, 0.0001
CMYK	0.47, 0.31, 0.00, 0.00
HSL	220°, 100%, 76%
HSV	220°, 47%, 100%
XYZ	43.3674, 43.0308, 100.6109
YIQ	172.1600, -49.5200, 16.4000

Conversions

Conversions Part 2

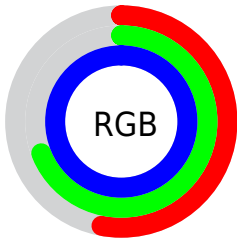
Format	Color
R _Y B	135, 165, 255
Decimal	8892415
CIE Lab	71.58, 7.44, -43.81
CIE LCh	72, 44.436, 279.645
Yxy	43.0308, 0.2319, 0.2301
Android (android.graphics.Color)	4287082495 (0xFF87AFFF)
YUV	172.1600, 40.8401, -32.5893
Hunter-Lab	65.5979, 3.2119, -45.0177

Details

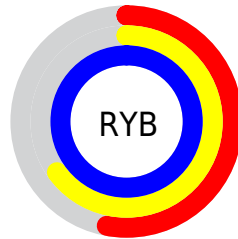
The Yxy color **43.0308, 0.2319, 0.2301** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **71.5879, 0.4005, 0.4102**, and the grayscale version is **41.1482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1511, 0.2745, 0.3018**, and **19.8209, 0.2111, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **34.9600, 0.2143, 0.2044**, and if you desaturate by 10%, it is **52.4436, 0.2500, 0.2547**.

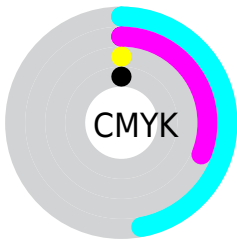
Distribution



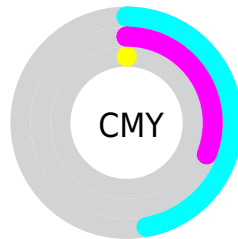
- Red (53%)
- Green (69%)
- Blue (100%)



- Red (53%)
- Yellow (65%)
- Blue (100%)



- Cyan (47%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.0308, 0.2319, 0.2301 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 43.0308, 0.2319, 0.2301 by changing the saturation by 10% instead.

■ 43.0308, 0.2319,
0.2301

■ 43.0308, 0.2319,
0.2301

358.7384, 0.2714,
0.2774

■ 29.9093, 0.2225,
0.2192

■ 79.7573, 0.2459,
0.2467

■ 19.7697, 0.2109,
0.2057

■ 104.1311, 0.2513,
0.2531

■ 12.2278, 0.1960,
0.1887

■ 133.0245, 0.2559,
0.2586

■ 6.8990, 0.1766,
0.1670

166.8218, 0.2599,
0.2634

■ 3.3990, 0.1507,
0.1386

205.9075, 0.2633,
0.2675

■ 1.3434, 0.1156,
0.1014

250.6659, 0.2664,

■ 0.1745, 0.0573,

0.2712

0.0288

301.4814, 0.2690,
0.2745

0.0000, 0.0000,
0.0000

43.0308, 0.2319,
0.2301

43.0308, 0.2319,
0.2301

34.9600, 0.2143,
0.2044

52.4436, 0.2500,
0.2547

28.1591, 0.1979,
0.1785

63.2561, 0.2680,
0.2775

22.5551, 0.1838,
0.1533

75.5278, 0.2854,
0.2984

18.0640, 0.1724,
0.1301

89.3135, 0.3018,
0.3171

14.5858, 0.1644,
0.1100

99.9988, 0.3127,
0.3290

■ 13.7217, 0.1624,
0.1046

Harmonies

Analogous

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



43.0308, 0.2045, 0.2439



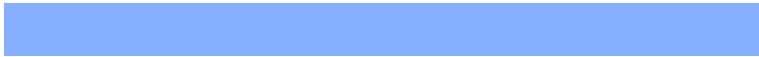
43.0308, 0.2319, 0.2301



43.0308, 0.2819, 0.2386

Triad

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



43.0308, 0.2319, 0.2301



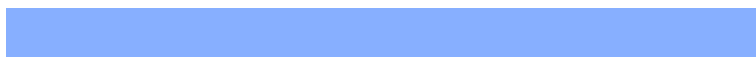
43.0308, 0.4378, 0.3550



43.0308, 0.2724, 0.4070

Complementary

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



43.0308, 0.2319, 0.2301



71.5879, 0.4005, 0.4102

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.



43.0308, 0.3334, 0.4433



43.0308, 0.2319, 0.2301



43.0308, 0.4313, 0.4023

Square

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



43.0308, 0.2319, 0.2301



43.0308, 0.4057, 0.3070



43.0308, 0.3919, 0.4377



43.0308, 0.2252, 0.3431

Rectangle

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



43.0308, 0.2319, 0.2301



43.0308, 0.3240, 0.2550



43.0308, 0.3919, 0.4377



43.0308, 0.2919, 0.4236

Sweetspot

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



43.0324, 0.2319, 0.2301



79.5939, 0.2905, 0.3043



81.4614, 0.2688, 0.3792



16.4211, 0.2869, 0.3001



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.



43.0324, 0.2319, 0.2301



35.7587, 0.2161, 0.2072



31.3158, 0.2348, 0.1845



18.3675, 0.2979, 0.3127



7.4150, 0.1632, 0.1076



0.9133, 0.1694, 0.1299

Inverse Universe

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



41.6775, 0.3978, 0.2877



35.4245, 0.4237, 0.2811



91.2584, 0.3699, 0.4498



18.0870, 0.3242, 0.3211



11.4765, 0.5646, 0.2884



1.1367, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 43.0308, 0.2319, 0.2301 looks on a white background.

Color Contrast Check

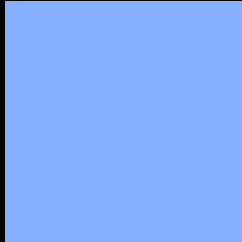
Large Text (above 18pt) WCAG AA × Fail

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 43.0308, 0.2319, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

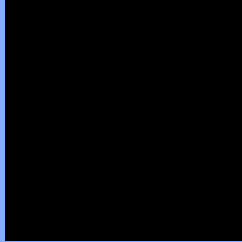
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

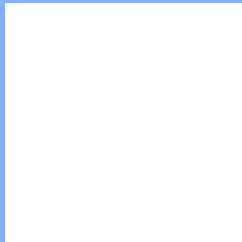
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.0308, 0.2319, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 43.0308, 0.2319, 0.2301.



This preview shows how white text looks on a background with the Yxy color 43.0308, 0.2319, 0.2301.

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

43.0308, 0.2319, 0.2301

Protanopia

42.9865, 0.2403, 0.2302

Deuteranopia

42.7699, 0.2348, 0.2284



Tritanopia

43.2568, 0.2538, 0.3075

Trichromacy



Original Color

43.0308, 0.2319, 0.2301

Protanomaly

42.9722, 0.2370, 0.2298

Deuteranomaly

42.9811, 0.2339, 0.2293

Tritanomaly

43.0363, 0.2452, 0.2759

Monochromacy



Original Color

43.0308, 0.2319, 0.2301

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.5223, 0.2786, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0308, 0.2319, 0.2301 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(135, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 175, 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(135, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.0308, 0.2319, 0.2301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

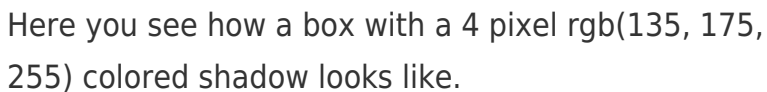
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 175, 255) }
```

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

```
.border{ border-color:rgb(135, 175, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0308, 0.2319, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 175, 255) }
```

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

```
.background{ background-color: rgb(135,  
175, 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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