

Converting Colors

$Yxy(44.8491, 0.2320, 0.2363)$

Have a look what the booklet for
Yxy(44.8491, 0.2320, 0.2363)
contains.

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Color

Yxy(44.8491, 0.2320, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	85B4FF
RGB	133, 180, 255
RGB Percent	52%, 71%, 100%
CMY	0.4786, 0.2940, 0.0001
CMYK	0.48, 0.29, 0.00, 0.00
HSL	217°, 100%, 76%
HSV	217°, 48%, 100%
XYZ	44.0330, 44.8491, 100.9152
YIQ	174.4970, -52.0870, 13.3610

Conversions

Conversions Part 2

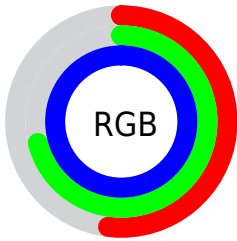
Format	Color
R _Y B	133, 167, 255
Decimal	8762623
CIE Lab	72.79, 4.16, -41.91
CIE LCh	73, 42.113, 275.669
Yxy	44.8491, 0.2320, 0.2363
Android (android.graphics.Color)	4286952703 (0xFF85B4FF)
YUV	174.4970, 39.6880, -36.3929
Hunter-Lab	66.9695, 0.1686, -42.4645

Details

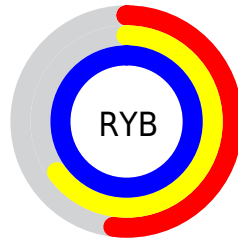
The Yxy color **44.8491, 0.2320, 0.2363** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0062, 0.4054, 0.4055**, and the grayscale version is **42.4037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2873, 0.2739, 0.3084**, and **20.9714, 0.2114, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **37.0514, 0.2151, 0.2126**, and if you desaturate by 10%, it is **53.8680, 0.2495, 0.2590**.

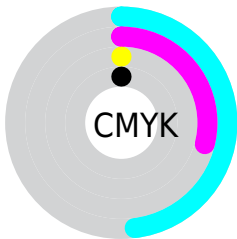
Distribution



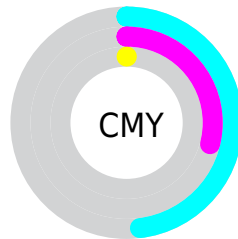
- Red (52%)
- Green (71%)
- Blue (100%)



- 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 44.8491, 0.2320, 0.2363 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 44.8491, 0.2320, 0.2363 by changing the saturation by 10% instead.

■ 44.8491, 0.2320,
0.2363

■ 44.8491, 0.2320,
0.2363

366.1621, 0.2712,
0.2807

■ 31.3386, 0.2228,
0.2260

■ 82.4939, 0.2459,
0.2519

■ 20.8568, 0.2113,
0.2132

■ 107.3970, 0.2512,
0.2579

■ 13.0194, 0.1968,
0.1971

■ 136.8664, 0.2557,
0.2631

■ 7.4419, 0.1778,
0.1764

171.2866, 0.2597,
0.2676

■ 3.7400, 0.1525,
0.1491

211.0418, 0.2631,
0.2715

■ 1.5292, 0.1182,
0.1126

256.5165, 0.2661,

■ 0.3091, 0.0629,

0.2749

0.0492

308.0952, 0.2688,
0.2780

0.0000, 0.0000,
0.0000

44.8491, 0.2320,
0.2363

44.8491, 0.2320,
0.2363

37.0514, 0.2151,
0.2126

53.8680, 0.2495,
0.2590

30.4093, 0.1997,
0.1884

64.1592, 0.2671,
0.2801

24.8574, 0.1862,
0.1648

75.7763, 0.2842,
0.2994

20.3193, 0.1755,
0.1426

88.7682, 0.3005,
0.3167

16.7003, 0.1677,
0.1227

99.9979, 0.3127,
0.3290

■ 16.0209, 0.1663,
0.1187

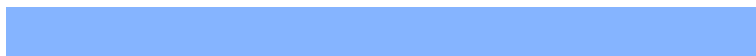
Harmonies

Analogous

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



44.8491, 0.2090, 0.2527



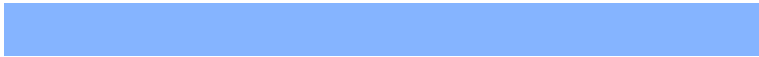
44.8491, 0.2320, 0.2363



44.8491, 0.2767, 0.2416

Triad

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



44.8491, 0.2320, 0.2363



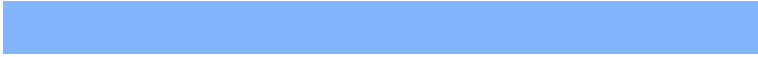
44.8491, 0.4277, 0.3480



44.8491, 0.2824, 0.4080

Complementary

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



44.8491, 0.2320, 0.2363



68.0062, 0.4054, 0.4055

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.



44.8491, 0.3404, 0.4369



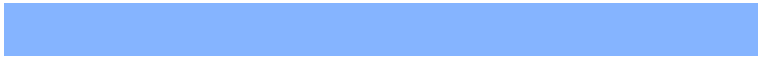
44.8491, 0.2320, 0.2363



44.8491, 0.4268, 0.3931

Square

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



44.8491, 0.2320, 0.2363



44.8491, 0.3933, 0.3030



44.8491, 0.3936, 0.4279



44.8491, 0.2354, 0.3507

Rectangle

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



44.8491, 0.2320, 0.2363



44.8491, 0.3154, 0.2556



44.8491, 0.3936, 0.4279



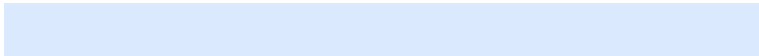
44.8491, 0.3012, 0.4218

Sweetspot

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



44.8507, 0.2320, 0.2363



80.6454, 0.2906, 0.3063



80.9454, 0.2711, 0.3879



16.6756, 0.2870, 0.3025



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.



44.8507, 0.2320, 0.2363



37.6844, 0.2165, 0.2146



30.0118, 0.2290, 0.1802



18.5267, 0.2979, 0.3140



8.6409, 0.1672, 0.1217



1.0453, 0.1734, 0.1442

Inverse Universe

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



41.3105, 0.3928, 0.2805



35.0795, 0.4171, 0.2728



92.2041, 0.3750, 0.4498



18.1031, 0.3233, 0.3199



11.6003, 0.5442, 0.2771



1.1501, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 44.8491, 0.2320, 0.2363 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 44.8491, 0.2320, 0.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

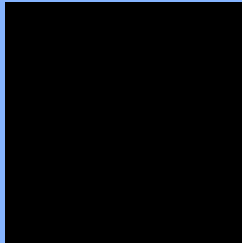
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

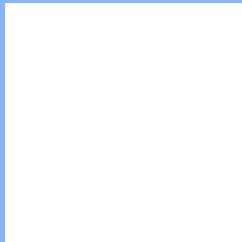
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8491, 0.2320, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 44.8491, 0.2320, 0.2363.



This preview shows how white text looks on a background with the Yxy color 44.8491, 0.2320, 0.2363.

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

44.8491, 0.2320, 0.2363

Protanopia

44.4950, 0.2451, 0.2367

Deuteranopia

44.5666, 0.2395, 0.2331



Tritanopia

45.0862, 0.2519, 0.3077

Trichromacy



Original Color

44.8491, 0.2320, 0.2363

Protanomaly

44.5835, 0.2401, 0.2371

Deuteranomaly

44.5039, 0.2368, 0.2337

Tritanomaly

44.6565, 0.2439, 0.2790

Monochromacy



Original Color

44.8491, 0.2320, 0.2363

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 44.8491, 0.2320, 0.2363 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, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 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, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8491, 0.2320, 0.2363 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, 180, 255) }
```

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

```
.border{ border-color:rgb(133, 180, 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, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8491, 0.2320, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 255) }
```

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

```
.background{ background-color: rgb(133,  
180, 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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