

Converting Colors

$Y_{xy}(44.2060, 0.2302, 0.2346)$

Have a look what the booklet for
Yxy(44.2060, 0.2302, 0.2346)
contains.

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Color

Yxy(44.2060, 0.2302, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	82B3FF
RGB	130, 179, 255
RGB Percent	51%, 70%, 100%
CMY	0.4901, 0.2980, 0.0000
CMYK	0.49, 0.30, 0.00, 0.00
HSL	216°, 100%, 75%
HSV	216°, 49%, 100%
XYZ	43.3769, 44.2060, 100.8485
YIQ	173.0130, -53.6000, 13.2480

Conversions

Conversions Part 2

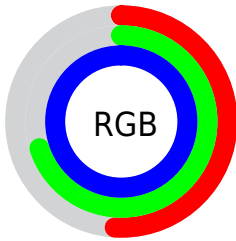
Format	Color
RYB	130, 165, 255
Decimal	8565759
CIELab	72.37, 4.07, -42.60
CIElCh	72, 42.793, 275.454
Yxy	44.2060, 0.2302, 0.2346
Android (android.graphics.Color)	4286755839 (0xFF82B3FF)
YUV	173.0130, 40.4196, -37.7224
Hunter-Lab	66.4876, 0.1012, -43.3898

Details

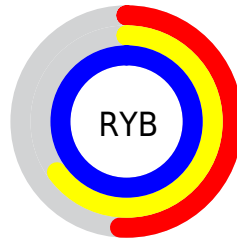
The Yxy color **44.2060, 0.2302, 0.2346** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.0209, 0.4084, 0.4065**, and the grayscale version is **41.6097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3280, 0.2721, 0.3072**, and **20.5581, 0.2090, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **36.5645, 0.2136, 0.2110**, and if you desaturate by 10%, it is **53.0492, 0.2476, 0.2572**.

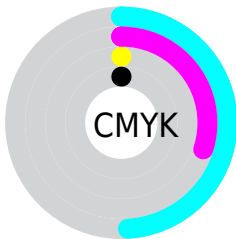
Distribution



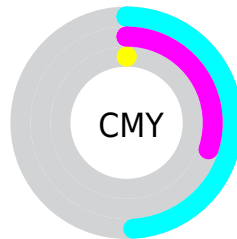
- Red (51%)
- Green (70%)
- Blue (100%)



- Red (51%)
- Yellow (65%)
- Blue (100%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2060, 0.2302, 0.2346 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 44.2060, 0.2302, 0.2346 by changing the saturation by 10% instead.

■ 44.2060, 0.2302,
0.2346

■ 44.2060, 0.2302,
0.2346

■ 363.5482, 0.2703,
0.2799

■ 30.8325, 0.2208,
0.2241

■ 81.5276, 0.2444,
0.2505

■ 20.4713, 0.2090,
0.2111

■ 106.2445, 0.2498,
0.2567

■ 12.7381, 0.1941,
0.1947

■ 135.5114, 0.2545,
0.2619

■ 7.2485, 0.1748,
0.1735

■ 169.7125, 0.2585,
0.2665

■ 3.6180, 0.1490,
0.1458

■ 209.2324, 0.2620,
0.2705

■ 1.4622, 0.1142,
0.1089

■ 254.4554, 0.2651,

■ 0.2619, 0.0563,

0.2740

0.0424

305.7659, 0.2679,
0.2771

0.0000, 0.0000,
0.0000

44.2060, 0.2302,
0.2346

44.2060, 0.2302,
0.2346

36.5645, 0.2136,
0.2110

53.0492, 0.2476,
0.2572

30.0593, 0.1983,
0.1871

63.1449, 0.2651,
0.2783

24.6248, 0.1853,
0.1638

74.5467, 0.2823,
0.2976

20.1843, 0.1749,
0.1419

87.3031, 0.2987,
0.3150

16.6352, 0.1675,
0.1223

99.9996, 0.3127,
0.3290

■ 16.3220, 0.1668,
0.1205

Harmonies

Analogous

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



44.2060, 0.2070, 0.2514



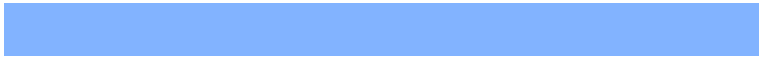
44.2060, 0.2302, 0.2346



44.2060, 0.2755, 0.2399

Triad

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



44.2060, 0.2302, 0.2346



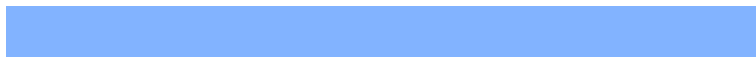
44.2060, 0.4300, 0.3479



44.2060, 0.2821, 0.4101

Complementary

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



44.2060, 0.2302, 0.2346



67.0209, 0.4084, 0.4065

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.



44.2060, 0.3412, 0.4394



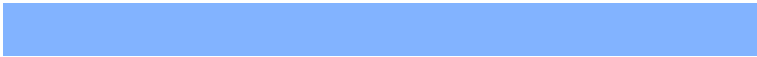
44.2060, 0.2302, 0.2346



44.2060, 0.4292, 0.3938

Square

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



44.2060, 0.2302, 0.2346



44.2060, 0.3946, 0.3021



44.2060, 0.3954, 0.4297



44.2060, 0.2341, 0.3516

Rectangle

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



44.2060, 0.2302, 0.2346



44.2060, 0.3149, 0.2541



44.2060, 0.3954, 0.4297



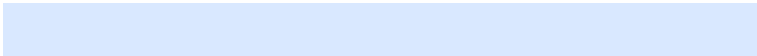
44.2060, 0.3013, 0.4242

Sweetspot

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



44.2076, 0.2302, 0.2346



79.5009, 0.2890, 0.3048



80.6719, 0.2704, 0.3896



16.4536, 0.2854, 0.3010



0.0000, 0.0000, 0.0000



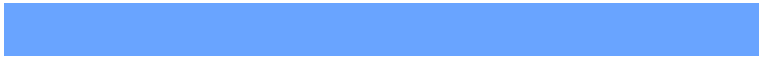
21.4041, 0.3127, 0.3290

Same Dimension

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



44.2076, 0.2302, 0.2346



36.5735, 0.2136, 0.2110



28.9873, 0.2266, 0.1762



18.5454, 0.2979, 0.3141



8.7986, 0.1677, 0.1235



1.0619, 0.1739, 0.1459

Inverse Universe

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



40.4845, 0.3948, 0.2787



33.9345, 0.4216, 0.2704



92.0939, 0.3762, 0.4525



18.1050, 0.3232, 0.3197



11.6162, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 44.2060, 0.2302, 0.2346 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 44.2060, 0.2302, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

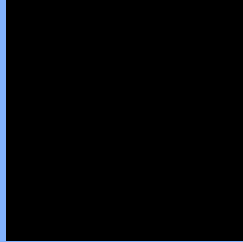
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

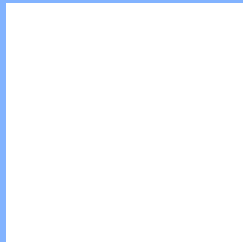
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2060, 0.2302, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 44.2060, 0.2302, 0.2346.



This preview shows how white text looks on a background with the Yxy color 44.2060, 0.2302, 0.2346.

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

44.2060, 0.2302, 0.2346

Protanopia

44.0094, 0.2442, 0.2353

Deuteranopia

43.9909, 0.2381, 0.2316



Tritanopia

44.3322, 0.2500, 0.3075

Trichromacy



Original Color

44.2060, 0.2302, 0.2346

Protanomaly

44.0987, 0.2393, 0.2357

Deuteranomaly

43.8461, 0.2349, 0.2320

Tritanomaly

44.0187, 0.2420, 0.2773

Monochromacy



Original Color

44.2060, 0.2302, 0.2346

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.1398, 0.2766, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2060, 0.2302, 0.2346 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(130, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 179, 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(130, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.2060, 0.2302, 0.2346 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(130, 179, 255) }
```

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

```
.border{ border-color:rgb(130, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2060, 0.2302, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 179, 255) }
```

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

```
.background{ background-color: rgb(130,  
179, 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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