

Converting Colors

$Y_{xy}(44.7927, 0.2283, 0.2281)$

Have a look what the booklet for
Yxy(44.7927, 0.2283, 0.2281)
contains.

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Color

Yxy(44.3657, 0.2312, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	84B3FF
RGB	132, 179, 255
RGB Percent	52%, 70%, 100%
CMY	0.4825, 0.2980, 0.0000
CMYK	0.48, 0.30, 0.00, 0.00
HSL	217°, 100%, 76%
HSV	217°, 48%, 100%
XYZ	43.6855, 44.3657, 100.8998
YIQ	173.6110, -52.4080, 13.6720

Conversions

Conversions Part 2

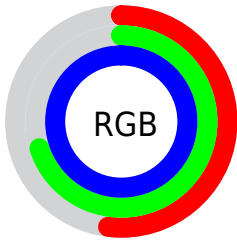
Format	Color
RYB	132, 166, 255
Decimal	8696831
CIELab	72.47, 4.52, -42.45
CIELCh	72, 42.689, 276.078
Yxy	44.3657, 0.2312, 0.2348
Android (android.graphics.Color)	4286886911 (0xFF84B3FF)
YUV	173.6110, 40.1248, -36.4928
Hunter-Lab	66.6076, 0.5084, -43.1896

Details

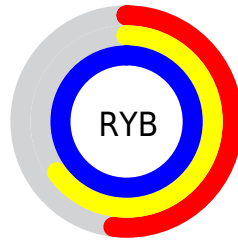
The Yxy color **44.3657, 0.2312, 0.2348** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.0154, 0.4061, 0.4065**, and the grayscale version is **41.9237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5838, 0.2732, 0.3072**, and **20.6724, 0.2105, 0.2119** is the 20% darker color. If you saturate the color by 10%, you get **36.5977, 0.2144, 0.2109**, and if you desaturate by 10%, it is **53.3554, 0.2488, 0.2577**.

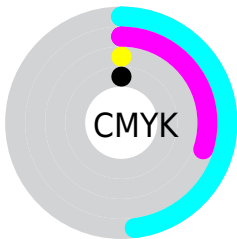
Distribution



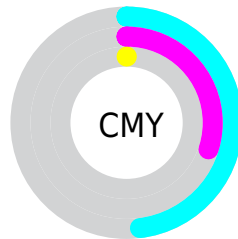
- Red (52%)
- Green (70%)
- Blue (100%)



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



- Cyan (48%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3657, 0.2312, 0.2348 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 44.3657, 0.2312, 0.2348 by changing the saturation by 10% instead.

■ 44.3657, 0.2312,
0.2348

■ 44.3657, 0.2312,
0.2348

■ 364.1985, 0.2708,
0.2800

■ 30.9581, 0.2219,
0.2243

■ 81.7678, 0.2452,
0.2507

■ 20.5670, 0.2103,
0.2114

■ 106.5310, 0.2506,
0.2568

■ 12.8078, 0.1955,
0.1950

■ 135.8483, 0.2552,
0.2620

■ 7.2964, 0.1764,
0.1740

■ 170.1039, 0.2592,
0.2666

■ 3.6481, 0.1508,
0.1464

■ 209.6824, 0.2626,
0.2706

■ 1.4787, 0.1162,
0.1097

■ 254.9680, 0.2657,


■ 0.2737, 0.0595,

0.2741

0.0440

306.3453, 0.2684,
0.2772

 0.0000, 0.0000,
0.0000


 44.3657, 0.2312,
0.2348

 44.3657, 0.2312,
0.2348


 36.5977, 0.2144,
0.2109

 53.3554, 0.2488,
0.2577


 29.9926, 0.1989,
0.1867

 63.6259, 0.2663,
0.2790

 24.4816, 0.1855,
0.1630

 75.2288, 0.2835,
0.2985

 19.9874, 0.1749,
0.1408

 88.2137, 0.2999,
0.3160

 16.4122, 0.1672,
0.1210

100.0000, 0.3127,
0.3290

■ 15.8620, 0.1661,
0.1177

Harmonies

Analogous

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



44.3657, 0.2076, 0.2510



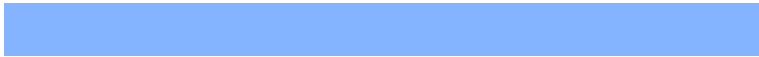
44.3657, 0.2312, 0.2348



44.3657, 0.2768, 0.2405

Triad

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



44.3657, 0.2312, 0.2348



44.3657, 0.4299, 0.3488



44.3657, 0.2811, 0.4088

Complementary

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



44.3657, 0.2312, 0.2348



68.0154, 0.4061, 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.



44.3657, 0.3399, 0.4388



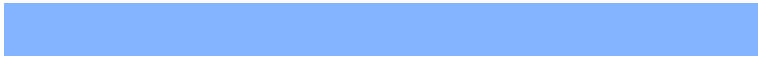
44.3657, 0.2312, 0.2348



44.3657, 0.4284, 0.3945

Square

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



44.3657, 0.2312, 0.2348



44.3657, 0.3954, 0.3031



44.3657, 0.3942, 0.4299



44.3657, 0.2336, 0.3502

Rectangle

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



44.3657, 0.2312, 0.2348



44.3657, 0.3162, 0.2549



44.3657, 0.3942, 0.4299



44.3657, 0.3001, 0.4231

Sweetspot

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



44.3649, 0.2312, 0.2348



80.5761, 0.2906, 0.3062



80.9684, 0.2699, 0.3859



16.6588, 0.2870, 0.3023



0.0000, 0.0000, 0.0000



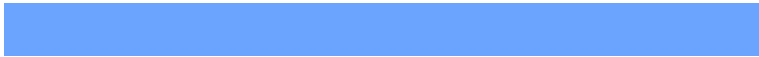
21.4041, 0.3127, 0.3290

Same Dimension

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



44.3649, 0.2312, 0.2348



36.7777, 0.2148, 0.2115



29.8522, 0.2296, 0.1794



18.5162, 0.2979, 0.3139



8.5541, 0.1669, 0.1208



1.0362, 0.1731, 0.1432

Inverse Universe

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



41.0071, 0.3943, 0.2806



34.4639, 0.4206, 0.2726



91.8234, 0.3740, 0.4514



18.1020, 0.3234, 0.3199



11.5915, 0.5456, 0.2779



1.1491, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 44.3657, 0.2312, 0.2348 looks on a white background.

Color Contrast Check

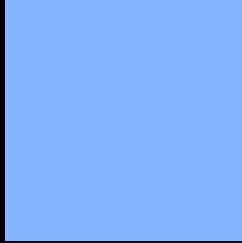
Large Text (above 18pt) WCAG AA × Fail

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 44.3657, 0.2312, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

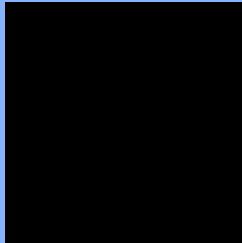
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

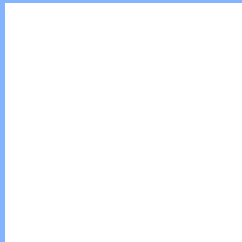
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.3657, 0.2312, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 44.3657, 0.2312, 0.2348.



This preview shows how white text looks on a background with the Yxy color 44.3657, 0.2312, 0.2348.

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

44.3657, 0.2312, 0.2348

Protanopia

44.0094, 0.2442, 0.2353

Deuteranopia

44.3817, 0.2384, 0.2329



Tritanopia

44.4678, 0.2511, 0.3076

Trichromacy



Original Color

44.3657, 0.2312, 0.2348

Protanomaly

44.0987, 0.2393, 0.2357

Deuteranomaly

44.3270, 0.2357, 0.2334

Tritanomaly

44.1632, 0.2431, 0.2775

Monochromacy



Original Color

44.3657, 0.2312, 0.2348

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 44.3657, 0.2312, 0.2348 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, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 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(132, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 179, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3657, 0.2312, 0.2348 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, 179, 255) }
```

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

```
.border{ border-color:rgb(132, 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(132, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 179,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3657, 0.2312, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 179, 255) }
```

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

```
.background{ background-color: rgb(132,  
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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