

Converting Colors

$Y_{xy}(43.1085, 0.2326, 0.2275)$

Have a look what the booklet for
Yxy(43.1085, 0.2326, 0.2275)
contains.

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Color

Yxy(42.8954, 0.2333, 0.2292)

Conversions

Conversions Part 1

Format	Color
Hex	8AAEFF
RGB	138, 174, 255
RGB Percent	54%, 68%, 100%
CMY	0.4590, 0.3176, 0.0000
CMYK	0.46, 0.32, 0.00, 0.00
HSL	222°, 100%, 77%
HSV	222°, 46%, 100%
XYZ	43.6627, 42.8954, 100.5946
YIQ	172.4700, -47.4570, 17.5590

Conversions

Conversions Part 2

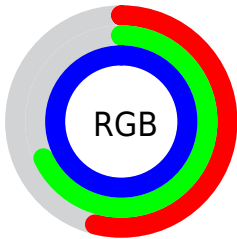
Format	Color
RYB	138, 166, 255
Decimal	9088767
CIELab	71.48, 8.71, -43.96
CIELCh	71, 44.812, 281.212
Yxy	42.8954, 0.2333, 0.2292
Android (android.graphics.Color)	4287278847 (0xFF8AAEFF)
YUV	172.4700, 40.6873, -30.2302
Hunter-Lab	65.4946, 4.3836, -45.2186

Details

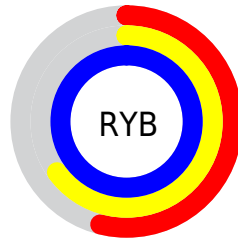
The Yxy color **42.8954, 0.2333, 0.2292** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.7285, 0.3966, 0.4110**, and the grayscale version is **41.3097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9944, 0.2761, 0.3008**, and **19.7018, 0.2124, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **34.5950, 0.2153, 0.2027**, and if you desaturate by 10%, it is **52.6035, 0.2517, 0.2546**.

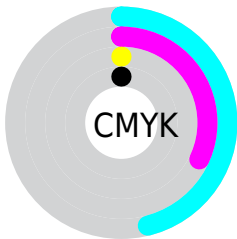
Distribution



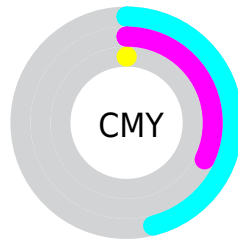
- Red (54%)
- Green (68%)
- Blue (100%)



- Red (54%)
- Yellow (65%)
- Blue (100%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8954, 0.2333, 0.2292 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 42.8954, 0.2333, 0.2292 by changing the saturation by 10% instead.

■ 42.8954, 0.2333,
0.2292

■ 42.8954, 0.2333,
0.2292

358.1814, 0.2722,
0.2769

■ 29.8031, 0.2241,
0.2182

■ 79.5530, 0.2471,
0.2459

■ 19.6891, 0.2125,
0.2047

■ 103.8870, 0.2524,
0.2523

■ 12.1693, 0.1978,
0.1876

132.7371, 0.2569,
0.2579

■ 6.8591, 0.1786,
0.1658

166.4875, 0.2608,
0.2627

■ 3.3741, 0.1529,
0.1374

205.5228, 0.2642,
0.2669

■ 1.3300, 0.1179,
0.1003

250.2273, 0.2672,

■ 0.1643, 0.0608,

0.2706

0.0271

300.9854, 0.2699,
0.2739

0.0000, 0.0000,
0.0000

42.8954, 0.2333,
0.2292

42.8954, 0.2333,
0.2292

34.5950, 0.2153,
0.2027

52.6035, 0.2517,
0.2546

27.6290, 0.1984,
0.1759

63.7824, 0.2699,
0.2781

21.9201, 0.1837,
0.1499

76.4939, 0.2873,
0.2995

17.3810, 0.1718,
0.1262

90.7956, 0.3036,
0.3187

13.9091, 0.1634,
0.1057

100.0000, 0.3127,
0.3290

■ 12.7474, 0.1607,
0.0984

Harmonies

Analogous

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



42.8954, 0.2044, 0.2418



42.8954, 0.2333, 0.2292



42.8954, 0.2847, 0.2389

Triad

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



42.8954, 0.2333, 0.2292



42.8954, 0.4396, 0.3577



42.8954, 0.2690, 0.4049

Complementary

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



42.8954, 0.2333, 0.2292



73.7285, 0.3966, 0.4110

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.



42.8954, 0.3302, 0.4436



42.8954, 0.2333, 0.2292



42.8954, 0.4310, 0.4052

Square

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



42.8954, 0.2333, 0.2292



42.8954, 0.4091, 0.3092



42.8954, 0.3898, 0.4399



42.8954, 0.2226, 0.3397

Rectangle

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



42.8954, 0.2333, 0.2292



42.8954, 0.3276, 0.2560



42.8954, 0.3898, 0.4399



42.8954, 0.2885, 0.4222

Sweetspot

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



42.8962, 0.2333, 0.2292



79.0858, 0.2905, 0.3034



81.9783, 0.2678, 0.3729



16.2982, 0.2869, 0.2990



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.



42.8962, 0.2333, 0.2292



35.2856, 0.2168, 0.2051



32.7982, 0.2399, 0.1895



18.2903, 0.2979, 0.3121



6.8916, 0.1615, 0.1012



0.8549, 0.1676, 0.1233

Inverse Universe

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



42.4812, 0.3980, 0.2917



35.9315, 0.4251, 0.2854



90.7688, 0.3660, 0.4482



18.0792, 0.3246, 0.3217



11.4237, 0.5740, 0.2936



1.1309, 0.5420, 0.2759

Previews

White Background



This preview shows how the Yxy color 42.8954, 0.2333, 0.2292 looks on a white background.

Color Contrast Check

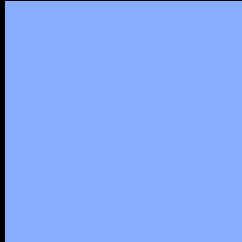
Large Text (above 18pt) WCAG AA × Fail

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 42.8954, 0.2333, 0.2292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

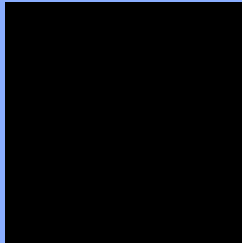
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

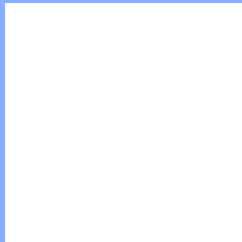
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8954, 0.2333, 0.2292

Background



This preview shows how black text looks on a background with the Yxy color 42.8954, 0.2333, 0.2292.



This preview shows how white text looks on a background with the Yxy color 42.8954, 0.2333, 0.2292.

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

42.8954, 0.2333, 0.2292

Protanopia

42.8928, 0.2397, 0.2301

Deuteranopia

42.7699, 0.2348, 0.2284



Tritanopia

43.0056, 0.2560, 0.3075

Trichromacy



Original Color

42.8954, 0.2333, 0.2292

Protanomaly

42.9722, 0.2370, 0.2298

Deuteranomaly

42.6826, 0.2342, 0.2282

Tritanomaly

42.8042, 0.2472, 0.2760

Monochromacy



Original Color

42.8954, 0.2333, 0.2292

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6250, 0.2794, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8954, 0.2333, 0.2292 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(138, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(138, 174, 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(138, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.8954, 0.2333, 0.2292 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(138, 174, 255) }
```

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

```
.border{ border-color:rgb(138, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(138, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8954, 0.2333, 0.2292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 174, 255) }
```

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

```
.background{ background-color: rgb(138,  
174, 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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