

Converting Colors

$Yxy(39.4013, 0.2322, 0.2263)$

Have a look what the booklet for
Yxy(39.4013, 0.2322, 0.2263)
contains.

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Color

Yxy(39.4013, 0.2322, 0.2263)

Conversions

Conversions Part 1

Format	Color
Hex	85A7F8
RGB	133, 167, 248
RGB Percent	52%, 65%, 97%
CMY	0.4786, 0.3450, 0.0274
CMYK	0.46, 0.33, 0.00, 0.03
HSL	222°, 89%, 75%
HSV	222°, 46%, 97%
XYZ	40.4286, 39.4013, 94.2811
YIQ	166.0680, -46.2650, 17.9830

Conversions

Conversions Part 2

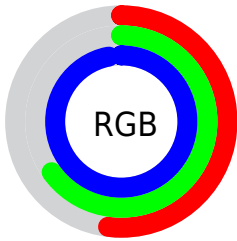
Format	Color
R _Y B	133, 159, 248
Decimal	8759288
CIE Lab	69.04, 9.47, -44.00
CIE LCh	69, 45.013, 282.147
Yxy	39.4013, 0.2322, 0.2263
Android (android.graphics.Color)	4286949368 (0xFF85A7F8)
YUV	166.0680, 40.3925, -29.0006
Hunter-Lab	62.7705, 5.1182, -45.1141

Details

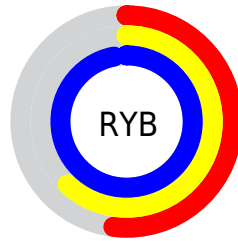
The Yxy color **39.4013, 0.2322, 0.2263** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.7103, 0.3968, 0.4130**, and the grayscale version is **37.9824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5389, 0.2725, 0.2927**, and **17.5189, 0.2103, 0.1999** is the 20% darker color. If you saturate the color by 10%, you get **31.6466, 0.2141, 0.1993**, and if you desaturate by 10%, it is **48.4987, 0.2507, 0.2521**.

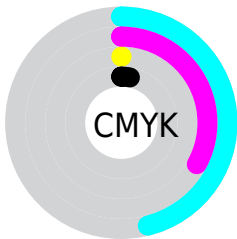
Distribution



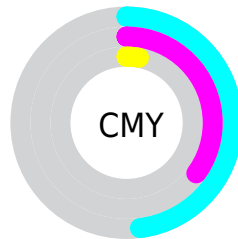
- Red (52%)
- Green (65%)
- Blue (97%)



- Red (52%)
- Yellow (62%)
- Blue (97%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)



- Cyan (48%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4013, 0.2322, 0.2263 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 39.4013, 0.2322, 0.2263 by changing the saturation by 10% instead.

■ 39.4013, 0.2322,
0.2263

■ 39.4013, 0.2322,
0.2263

■ 343.5936, 0.2722,
0.2759

■ 27.0721, 0.2226,
0.2147

■ 74.2510, 0.2465,
0.2438

■ 17.6273, 0.2105,
0.2004

■ 97.5402, 0.2520,
0.2505

■ 10.6828, 0.1949,
0.1824

■ 125.2515, 0.2566,
0.2563

■ 5.8540, 0.1745,
0.1592

■ 157.7693, 0.2606,
0.2612

■ 2.7565, 0.1470,
0.1288

■ 195.4781, 0.2641,
0.2656

■ 1.0060, 0.1093,
0.0894

■ 238.7621, 0.2671,


■ 0.0000, 0.0272,

0.2694


0.0000


288.0058, 0.2698,
0.2728


 0.0000, 0.0000,
0.0000

 39.4013, 0.2322,
0.2263


 39.4013, 0.2322,
0.2263


 31.6466, 0.2141,
0.1993

 48.4987, 0.2507,
0.2521


 25.1620, 0.1972,
0.1722


 58.9977, 0.2690,
0.2762


 19.8735, 0.1824,
0.1461

 70.9586, 0.2865,
0.2981

 15.6968, 0.1706,
0.1224

 84.4368, 0.3029,
0.3177

 12.5326, 0.1623,
0.1022

 99.1126, 0.3168,
0.3350

■ 11.5986, 0.1600,
0.0959

■ 99.5573, 0.3168,
0.3357

Harmonies

Analogous

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



39.4013, 0.2019, 0.2383



39.4013, 0.2322, 0.2263



39.4013, 0.2856, 0.2370

Triad

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



39.4013, 0.2322, 0.2263



39.4013, 0.4441, 0.3598



39.4013, 0.2657, 0.4058

Complementary

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



39.4013, 0.2322, 0.2263



69.7103, 0.3968, 0.4130

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.



39.4013, 0.3284, 0.4472



39.4013, 0.2322, 0.2263



39.4013, 0.4338, 0.4085

Square

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



39.4013, 0.2322, 0.2263



39.4013, 0.4139, 0.3099



39.4013, 0.3902, 0.4441



39.4013, 0.2187, 0.3377

Rectangle

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



39.4013, 0.2322, 0.2263



39.4013, 0.3301, 0.2549



39.4013, 0.3902, 0.4441



39.4013, 0.2856, 0.4242

Sweetspot

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



39.4027, 0.2322, 0.2263



78.8478, 0.2905, 0.3029



76.9466, 0.2666, 0.3709



16.2407, 0.2868, 0.2985



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.



39.4027, 0.2322, 0.2263



33.9476, 0.2146, 0.2002



30.6032, 0.2405, 0.1886



17.4805, 0.2979, 0.3118



6.4768, 0.1607, 0.0986



0.7756, 0.1671, 0.1216

Inverse Universe

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



39.5090, 0.4007, 0.2928



35.2416, 0.4304, 0.2866



84.8334, 0.3650, 0.4498



17.3098, 0.3247, 0.3220



11.0647, 0.5780, 0.2958



1.0425, 0.5444, 0.2772

Previews

White Background



This preview shows how the Yxy color 39.4013, 0.2322, 0.2263 looks on a white background.

Color Contrast Check

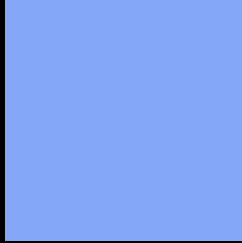
Large Text (above 18pt) WCAG AA × Fail

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 39.4013, 0.2322, 0.2263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

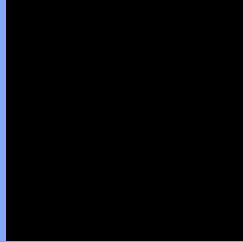
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

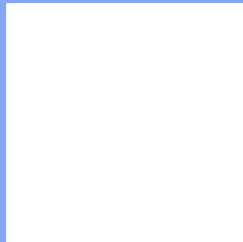
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.4013, 0.2322, 0.2263

Background



This preview shows how black text looks on a background with the Yxy color 39.4013, 0.2322, 0.2263.



This preview shows how white text looks on a background with the Yxy color 39.4013, 0.2322, 0.2263.

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

39.4013, 0.2322, 0.2263

Protanopia

39.2884, 0.2370, 0.2259

Deuteranopia

39.4013, 0.2322, 0.2263



Tritanopia

39.4285, 0.2561, 0.3082

Trichromacy



Original Color

39.4013, 0.2322, 0.2263

Protanomaly

39.3911, 0.2354, 0.2267

Deuteranomaly

39.4013, 0.2322, 0.2263

Tritanomaly

39.2365, 0.2471, 0.2755

Monochromacy



Original Color

39.4013, 0.2322, 0.2263

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1280, 0.2783, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.4013, 0.2322, 0.2263 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, 167, 248)` looks like.

```
.text, #text, p{  
    color:rgb(133, 167, 248)  
}
```

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, 167, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 167, 248) }
```

Border

The CSS property to change the border of an element to Yxy 39.4013, 0.2322, 0.2263 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, 167, 248) }
```

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

```
.border{ border-color:rgb(133, 167, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 167, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 167, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 167, 248);  
box-shadow:4px 4px 4px 4px rgb(133, 167,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 39.4013, 0.2322, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 167, 248) }
```

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

```
.background{ background-color: rgb(133,  
167, 248) }
```

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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