

Converting Colors

Yxy(39.7161, 0.2293, 0.2242)

Have a look what the booklet for
Yxy(39.7161, 0.2293, 0.2242)
contains.

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Color

Yxy(39.7161, 0.2293, 0.2242)

Conversions

Conversions Part 1

Format	Color
Hex	82A8FB
RGB	130, 168, 251
RGB Percent	51%, 66%, 98%
CMY	0.4903, 0.3411, 0.0156
CMYK	0.48, 0.33, 0.00, 0.02
HSL	221°, 94%, 75%
HSV	221°, 48%, 98%
XYZ	40.6195, 39.7161, 96.8102
YIQ	166.1000, -49.2910, 17.7570

Conversions

Conversions Part 2

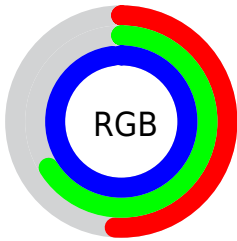
Format	Color
R _Y B	130, 159, 251
Decimal	8562939
CIE Lab	69.27, 9.09, -45.30
CIE LCh	69, 46.208, 281.345
Yxy	39.7161, 0.2293, 0.2242
Android (android.graphics.Color)	4286753019 (0xFF82A8FB)
YUV	166.1000, 41.8557, -31.6597
Hunter-Lab	63.0207, 4.7646, -46.9647

Details

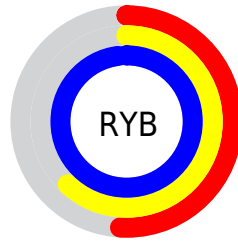
The Yxy color **39.7161, 0.2293, 0.2242** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.7044, 0.4017, 0.4141**, and the grayscale version is **37.9938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6867, 0.2708, 0.2937**, and **17.7254, 0.2069, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **32.0281, 0.2115, 0.1978**, and if you desaturate by 10%, it is **48.7325, 0.2476, 0.2496**.

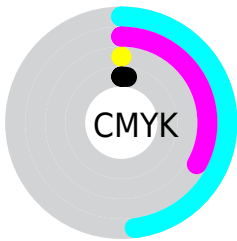
Distribution



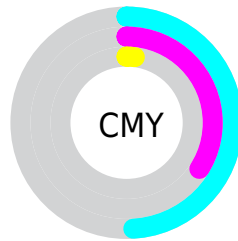
- Red (51%)
- Green (66%)
- Blue (98%)



- Red (51%)
- Yellow (62%)
- Blue (98%)



- Cyan (48%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)





- Cyan (49%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7161, 0.2293, 0.2242 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 39.7161, 0.2293, 0.2242 by changing the saturation by 10% instead.


 39.7161, 0.2293,
0.2242


 39.7161, 0.2293,
0.2242


344.9255, 0.2706,
0.2747


 27.3173, 0.2194,
0.2125


 74.7310, 0.2440,
0.2419

 17.8116, 0.2070,
0.1980


 98.1159, 0.2497,
0.2488

 10.8148, 0.1912,
0.1798


 125.9315, 0.2545,
0.2546

 5.9425, 0.1706,
0.1565

158.5624, 0.2586,
0.2597

 2.8101, 0.1429,
0.1263

196.3928, 0.2622,
0.2642

 1.0334, 0.1056,
0.0873

239.8072, 0.2653,


 0.0000, 0.0281,


0.2681


0.0000

289.1900, 0.2681,
0.2716


 0.0000, 0.0000,
0.0000


 39.7161, 0.2293,
0.2242


 39.7161, 0.2293,
0.2242

 32.0281, 0.2115,
0.1978


 48.7325, 0.2476,
0.2496


 25.5955, 0.1952,
0.1713


 59.1362, 0.2658,
0.2734


 20.3440, 0.1811,
0.1458

 70.9874, 0.2834,
0.2951

 16.1880, 0.1700,
0.1228

 84.3416, 0.3000,
0.3146

 13.0201, 0.1623,
0.1032

 99.1600, 0.3151,
0.3319

■ 12.5411, 0.1611,
0.1000

99.7465, 0.3150,
0.3328

Harmonies

Analogous

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



39.7161, 0.1991, 0.2369



39.7161, 0.2293, 0.2242



39.7161, 0.2832, 0.2346

Triad

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



39.7161, 0.2293, 0.2242



39.7161, 0.4469, 0.3587



39.7161, 0.2660, 0.4095

Complementary

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



39.7161, 0.2293, 0.2242



69.7044, 0.4017, 0.4141

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.



39.7161, 0.3303, 0.4508



39.7161, 0.2293, 0.2242



39.7161, 0.4372, 0.4087

Square

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



39.7161, 0.2293, 0.2242



39.7161, 0.4150, 0.3081



39.7161, 0.3932, 0.4460



39.7161, 0.2176, 0.3397

Rectangle

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



39.7161, 0.2293, 0.2242



39.7161, 0.3285, 0.2525



39.7161, 0.3932, 0.4460



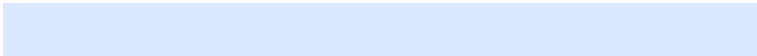
39.7161, 0.2865, 0.4280

Sweetspot

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



39.7175, 0.2293, 0.2242



79.2091, 0.2905, 0.3036



78.5403, 0.2662, 0.3755



16.3280, 0.2869, 0.2993



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.



39.7175, 0.2293, 0.2242



33.3232, 0.2118, 0.1982



29.6139, 0.2355, 0.1817



17.5329, 0.2979, 0.3123



6.8195, 0.1619, 0.1029



0.8127, 0.1684, 0.1262

Inverse Universe

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



39.2974, 0.4036, 0.2892



34.1152, 0.4336, 0.2828



87.2496, 0.3682, 0.4538



17.3151, 0.3244, 0.3216



11.0993, 0.5715, 0.2922



1.0463, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 39.7161, 0.2293, 0.2242 looks on a white background.

Color Contrast Check

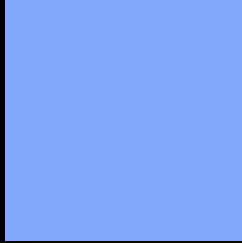
Large Text (above 18pt) WCAG AA × Fail

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 39.7161, 0.2293, 0.2242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

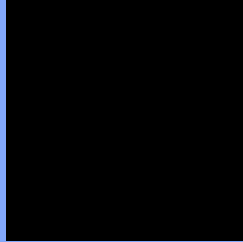
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

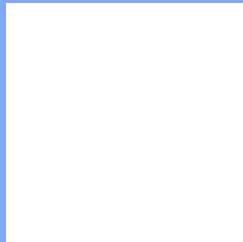
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7161, 0.2293, 0.2242

Background



This preview shows how black text looks on a background with the Yxy color 39.7161, 0.2293, 0.2242.



This preview shows how white text looks on a background with the Yxy color 39.7161, 0.2293, 0.2242.

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

39.7161, 0.2293, 0.2242

Protanopia

39.6874, 0.2356, 0.2251

Deuteranopia

39.8758, 0.2305, 0.2245



Tritanopia

39.6460, 0.2527, 0.3067

Trichromacy



Original Color

39.7161, 0.2293, 0.2242

Protanomaly

39.7738, 0.2330, 0.2248

Deuteranomaly

39.7956, 0.2299, 0.2244

Tritanomaly

39.4882, 0.2432, 0.2728

Monochromacy



Original Color

39.7161, 0.2293, 0.2242

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.4410, 0.2769, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7161, 0.2293, 0.2242 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, 168, 251)` looks like.

```
.text, #text, p{  
    color:rgb(130, 168, 251)  
}
```

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, 168, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 168, 251) }
```

Border

The CSS property to change the border of an element to Yxy 39.7161, 0.2293, 0.2242 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, 168, 251) }
```

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

```
.border{ border-color:rgb(130, 168, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 168, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 168, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 168, 251);  
box-shadow:4px 4px 4px 4px rgb(130, 168,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7161, 0.2293, 0.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 168, 251) }
```

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

```
.background{ background-color: rgb(130,  
168, 251) }
```

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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