

Converting Colors

$Yxy(37.8384, 0.2342, 0.2107)$

Have a look what the booklet for
Yxy(37.8384, 0.2342, 0.2107)
contains.

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Color

Yxy(37.6935, 0.2340, 0.2102)

Conversions

Conversions Part 1

Format	Color
Hex	919EFF
RGB	145, 158, 255
RGB Percent	57%, 62%, 100%
CMY	0.4311, 0.3804, 0.0000
CMYK	0.43, 0.38, 0.00, 0.00
HSL	233°, 100%, 78%
HSV	233°, 43%, 100%
XYZ	41.9614, 37.6935, 99.6672
YIQ	165.1710, -38.8850, 27.4110

Conversions

Conversions Part 2

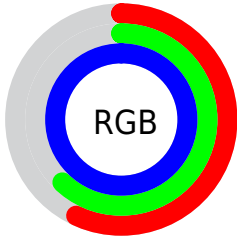
Format	Color
RYB	145, 157, 255
Decimal	9543423
CIELab	67.79, 19.54, -49.72
CIElCh	68, 53.420, 291.456
Yxy	37.6935, 0.2340, 0.2102
Android (android.graphics.Color)	4287733503 (0xFF919EFF)
YUV	165.1710, 44.2857, -17.6900
Hunter-Lab	61.3950, 14.5572, -53.2734

Details

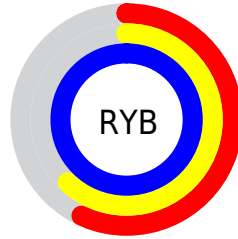
The Yxy color **37.6935, 0.2340, 0.2102** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.8547, 0.3822, 0.4248**, and the grayscale version is **37.5163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0035, 0.2791, 0.2824**, and **16.6673, 0.2122, 0.1816** is the 20% darker color. If you saturate the color by 10%, you get **28.6454, 0.2135, 0.1774**, and if you desaturate by 10%, it is **48.6696, 0.2544, 0.2420**.

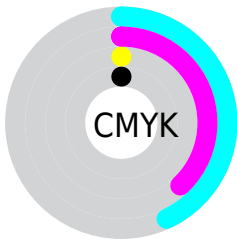
Distribution



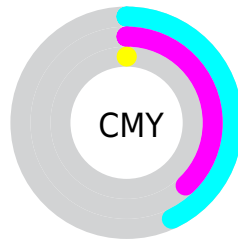
- Red (57%)
- Green (62%)
- Blue (100%)



- Red (57%)
- Yellow (62%)
- Blue (100%)



- Cyan (43%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6935, 0.2340, 0.2102 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 37.6935, 0.2340, 0.2102 by changing the saturation by 10% instead.


 37.6935, 0.2340,
0.2102


 37.6935, 0.2340,
0.2102


336.3033, 0.2736,
0.2665

 25.7449, 0.2244,
0.1974


 71.6381, 0.2483,
0.2298

 16.6329, 0.2123,
0.1818


 94.4029, 0.2537,
0.2374

 9.9731, 0.1968,
0.1624


121.5419, 0.2583,
0.2439

 5.3811, 0.1763,
0.1380

153.4394, 0.2622,
0.2496

 2.4726, 0.1488,
0.1073

190.4800, 0.2656,
0.2546

 0.8629, 0.1115,
0.0695

233.0479, 0.2686,

 0.0000, 0.0433,

0.2590

0.0000

281.5275, 0.2713,
0.2630

■ 0.0000, 0.0000,
0.0000

■ 37.6935, 0.2340,
0.2102

■ 37.6935, 0.2340,
0.2102

■ 28.6454, 0.2135,
0.1774

■ 48.6696, 0.2544,
0.2420

■ 21.4092, 0.1941,
0.1454

■ 61.6725, 0.2738,
0.2716

■ 15.8627, 0.1772,
0.1163

■ 76.7991, 0.2918,
0.2984

■ 11.8663, 0.1640,
0.0922

■ 94.1388, 0.3080,
0.3222

■ 9.2574, 0.1554,
0.0747

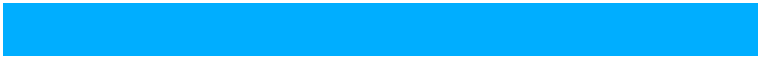
■ 99.9997, 0.3127,
0.3290

■ 8.1468, 0.1519,
0.0669

Harmonies

Analogous

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



37.6935, 0.1907, 0.2145



37.6935, 0.2340, 0.2102



37.6935, 0.3036, 0.2300

Triad

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



37.6935, 0.2340, 0.2102



37.6935, 0.4709, 0.3803



37.6935, 0.2356, 0.3983

Complementary

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



37.6935, 0.2340, 0.2102



86.8547, 0.3822, 0.4248

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.



37.6935, 0.3052, 0.4643



37.6935, 0.2340, 0.2102



37.6935, 0.4425, 0.4362

Square

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



37.6935, 0.2340, 0.2102



37.6935, 0.4509, 0.3222



37.6935, 0.3809, 0.4736



37.6935, 0.1903, 0.3122

Rectangle

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



37.6935, 0.2340, 0.2102



37.6935, 0.3586, 0.2545



37.6935, 0.3809, 0.4736



37.6935, 0.2568, 0.4251

Sweetspot

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



37.6949, 0.2340, 0.2102



76.9807, 0.2920, 0.2987



83.8544, 0.2606, 0.3456



15.7211, 0.2882, 0.2930



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.



37.6949, 0.2340, 0.2102



29.5594, 0.2158, 0.1811



37.8518, 0.2603, 0.2041



17.7214, 0.2979, 0.3073



4.3649, 0.1523, 0.0684



0.5300, 0.1564, 0.0829

Inverse Universe

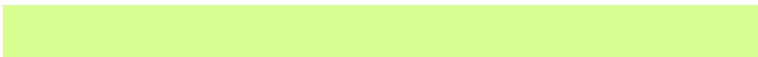
The Inverse Universe completely reimagines the original color for something new.



43.9986, 0.4130, 0.3158



37.1120, 0.4464, 0.3135



87.9635, 0.3494, 0.4467



18.0218, 0.3276, 0.3262



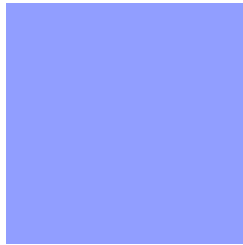
11.1686, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 37.6935, 0.2340, 0.2102 looks on a white background.

Color Contrast Check

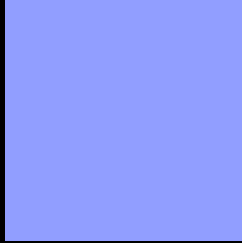
Large Text (above 18pt) WCAG AA × Fail

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 37.6935, 0.2340, 0.2102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

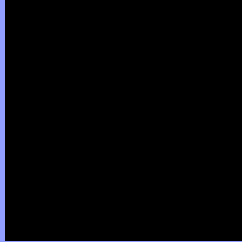
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6935, 0.2340, 0.2102

Background



This preview shows how black text looks on a background with the Yxy color 37.6935, 0.2340, 0.2102.



This preview shows how white text looks on a background with the Yxy color 37.6935, 0.2340, 0.2102.

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

37.6935, 0.2340, 0.2102

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.6997, 0.2216, 0.2147



Tritanopia

37.5622, 0.2655, 0.3081

Trichromacy



Original Color

37.6935, 0.2340, 0.2102

Protanomaly

37.9440, 0.2292, 0.2124

Deuteranomaly

37.6635, 0.2259, 0.2134

Tritanomaly

37.4089, 0.2533, 0.2676

Monochromacy



Original Color

37.6935, 0.2340, 0.2102

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.1870, 0.2797, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6935, 0.2340, 0.2102 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(145, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 158, 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(145, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.6935, 0.2340, 0.2102 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(145, 158, 255) }
```

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

```
.border{ border-color:rgb(145, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6935, 0.2340, 0.2102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 158, 255) }
```

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

```
.background{ background-color: rgb(145,  
158, 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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