

Converting Colors

$Y_{xy}(39.1360, 0.2213, 0.1853)$

Have a look what the booklet for
Yxy(39.1360, 0.2213, 0.1853)
contains.

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Color

Yxy(37.1079, 0.2342, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	929CFF
RGB	146, 156, 255
RGB Percent	57%, 61%, 100%
CMY	0.4272, 0.3883, 0.0000
CMYK	0.43, 0.39, 0.00, 0.00
HSL	235°, 100%, 79%
HSV	235°, 43%, 100%
XYZ	41.8022, 37.1079, 99.5791
YIQ	164.2960, -37.7390, 28.6690

Conversions

Conversions Part 2

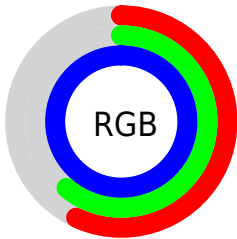
Format	Color
RYB	146, 155, 255
Decimal	9608447
CIELab	67.36, 20.94, -50.41
CIELCh	67, 54.588, 292.555
Yxy	37.1079, 0.2342, 0.2079
Android (android.graphics.Color)	4287798527 (0xFF929CFF)
YUV	164.2960, 44.7171, -16.0456
Hunter-Lab	60.9163, 15.8875, -54.2793

Details

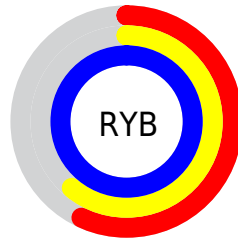
The Yxy color **37.1079, 0.2342, 0.2079** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.6909, 0.3804, 0.4265**, and the grayscale version is **37.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1506, 0.2796, 0.2802**, and **16.3042, 0.2123, 0.1787** is the 20% darker color. If you saturate the color by 10%, you get **27.9754, 0.2134, 0.1744**, and if you desaturate by 10%, it is **48.2464, 0.2548, 0.2405**.

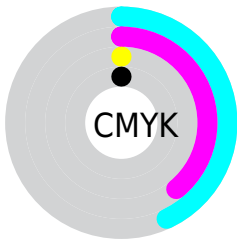
Distribution



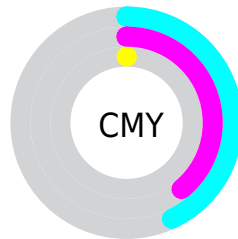
- Red (57%)
- Green (61%)
- Blue (100%)



- Red (57%)
- Yellow (61%)
- Blue (100%)



- Cyan (43%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1079, 0.2342, 0.2079 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 37.1079, 0.2342, 0.2079 by changing the saturation by 10% instead.


 37.1079, 0.2342,
0.2079


 37.1079, 0.2342,
0.2079


333.7774, 0.2739,
0.2652

 25.2910, 0.2245,
0.1949


 70.7387, 0.2485,
0.2278

 16.2940, 0.2124,
0.1790


 93.3214, 0.2539,
0.2356

 9.7325, 0.1968,
0.1594


120.2616, 0.2585,
0.2422

 5.2219, 0.1762,
0.1348

151.9436, 0.2625,
0.2480

 2.3781, 0.1485,
0.1039

188.7517, 0.2659,
0.2531

 0.8146, 0.1109,
0.0661

231.0705, 0.2689,


 0.0000, 0.0414,


0.2576

0.0000


279.2843, 0.2715,
0.2616

 0.0000, 0.0000,
0.0000

 37.1079, 0.2342,
0.2079


 37.1079, 0.2342,
0.2079


 27.9754, 0.2134,
0.1744


 48.2464, 0.2548,
0.2405


 20.7280, 0.1937,
0.1418


 61.4995, 0.2744,
0.2709

 15.2335, 0.1765,
0.1125

 76.9695, 0.2924,
0.2985

 11.3420, 0.1633,
0.0887

 94.7515, 0.3086,
0.3229

 8.8780, 0.1547,
0.0720

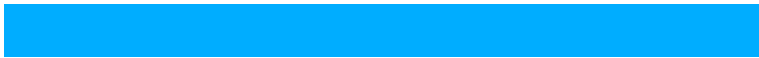
100.0000, 0.3127,
0.3290

■ 7.8416, 0.1513,
0.0646

Harmonies

Analogous

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



37.1079, 0.1891, 0.2112



37.1079, 0.2342, 0.2079



37.1079, 0.3062, 0.2289

Triad

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



37.1079, 0.2342, 0.2079



37.1079, 0.4747, 0.3832



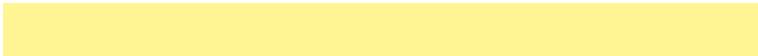
37.1079, 0.2313, 0.3971

Complementary

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



37.1079, 0.2342, 0.2079



88.6909, 0.3804, 0.4265

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.



37.1079, 0.3018, 0.4669



37.1079, 0.2342, 0.2079



37.1079, 0.4436, 0.4402

Square

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



37.1079, 0.2342, 0.2079



37.1079, 0.4563, 0.3238



37.1079, 0.3795, 0.4781



37.1079, 0.1863, 0.3085

Rectangle

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



37.1079, 0.2342, 0.2079



37.1079, 0.3629, 0.2544



37.1079, 0.3795, 0.4781



37.1079, 0.2527, 0.4252

Sweetspot

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



37.1083, 0.2342, 0.2079



76.5053, 0.2920, 0.2978



84.1750, 0.2593, 0.3412



15.6056, 0.2881, 0.2919



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.



37.1083, 0.2342, 0.2079



29.4085, 0.2170, 0.1802



38.6982, 0.2637, 0.2062



17.6436, 0.2979, 0.3067



4.1865, 0.1516, 0.0659



0.4933, 0.1550, 0.0779

Inverse Universe

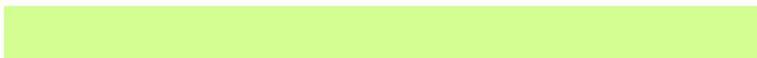
The Inverse Universe completely reimagines the original color for something new.



44.2373, 0.4147, 0.3189



37.7148, 0.4465, 0.3173



87.5091, 0.3467, 0.4465



18.0139, 0.3280, 0.3269



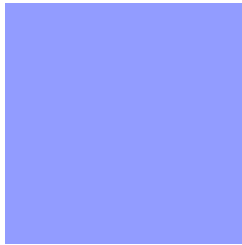
11.1506, 0.6301, 0.3245



1.0943, 0.6103, 0.3136

Previews

White Background



This preview shows how the Yxy color 37.1079, 0.2342, 0.2079 looks on a white background.

Color Contrast Check

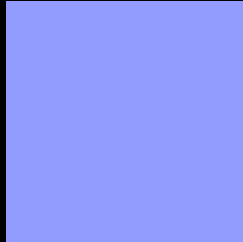
Large Text (above 18pt) WCAG AA × Fail

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 37.1079, 0.2342, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

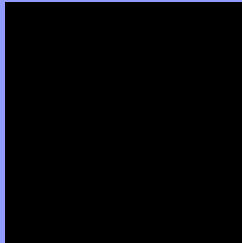
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1079, 0.2342, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 37.1079, 0.2342, 0.2079.



This preview shows how white text looks on a background with the Yxy color 37.1079, 0.2342, 0.2079.

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

37.1079, 0.2342, 0.2079

Protanopia

37.3769, 0.2252, 0.2112

Deuteranopia

37.1378, 0.2207, 0.2140



Tritanopia

37.2178, 0.2667, 0.3080

Trichromacy



Original Color

37.1079, 0.2342, 0.2079

Protanomaly

37.1672, 0.2281, 0.2097

Deuteranomaly

36.8866, 0.2249, 0.2107

Tritanomaly

37.0765, 0.2544, 0.2675

Monochromacy



Original Color

37.1079, 0.2342, 0.2079

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6891, 0.2795, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1079, 0.2342, 0.2079 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(146, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 156, 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(146, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.1079, 0.2342, 0.2079 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(146, 156, 255) }
```

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

```
.border{ border-color:rgb(146, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1079, 0.2342, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 156, 255) }
```

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

```
.background{ background-color: rgb(146,  
156, 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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