

# Converting Colors

$Yxy(37.9639, 0.2303, 0.2135)$

Have a look what the booklet for  
Yxy(37.9639, 0.2303, 0.2135)  
contains.

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# Color

**Yxy(37.9639, 0.2303, 0.2135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89A1FE
RGB	137, 161, 254
RGB Percent	54%, 63%, 100%
CMY	0.4625, 0.3686, 0.0041
CMYK	0.46, 0.37, 0.00, 0.00
HSL	228°, 98%, 77%
HSV	228°, 46%, 100%
XYZ	40.9512, 37.9639, 98.9017
YIQ	164.4260, -44.1570, 23.8350

# Conversions

## Conversions Part 2

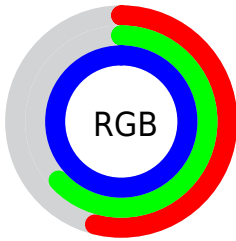
Format	Color
R <sub>Y</sub> B	137, 157, 254
Decimal	9019902
CIE <sub>Lab</sub>	67.99, 15.60, -48.87
CIE <sub>LCh</sub>	68, 51.303, 287.700
Y <sub>xy</sub>	37.9639, 0.2303, 0.2135
Android (android.graphics.Color)	4287209982 (0xFF89A1FE)
YUV	164.4260, 44.1600, -24.0526
Hunter-Lab	61.6149, 10.8109, -52.0396

# Details

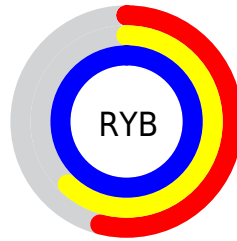
The Yxy color **37.9639, 0.2303, 0.2135** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **79.4718, 0.3913, 0.4221**, and the grayscale version is **37.1439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9338, 0.2743, 0.2862**, and **16.8453, 0.2079, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **29.5677, 0.2110, 0.1834**, and if you desaturate by 10%, it is **48.0077, 0.2499, 0.2427**.

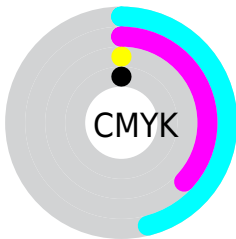
# Distribution



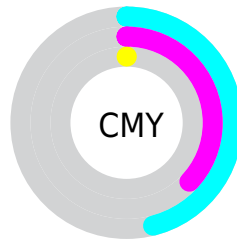
- Red (54%)
- Green (63%)
- Blue (100%)



- Red (54%)
- Yellow (62%)
- Blue (100%)



- Cyan (46%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (37%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9639, 0.2303, 0.2135 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 37.9639, 0.2303, 0.2135 by changing the saturation by 10% instead.



 37.9639, 0.2303,  
0.2135


 37.9639, 0.2303,  
0.2135


337.4651, 0.2715,  
0.2686

 25.9547, 0.2204,  
0.2009


 72.0528, 0.2451,  
0.2327

 16.7897, 0.2079,  
0.1854


 94.9013, 0.2507,  
0.2402

 10.0847, 0.1919,  
0.1662


122.1316, 0.2555,  
0.2466

 5.4551, 0.1710,  
0.1419

154.1282, 0.2596,  
0.2521

 2.5167, 0.1430,  
0.1111

191.2754, 0.2632,  
0.2570

 0.8850, 0.1053,  
0.0727

233.9577, 0.2663,


 0.0000, 0.0311,


0.2613

0.0000

282.5595, 0.2691,  
0.2651

 0.0000, 0.0000,  
0.0000

 37.9639, 0.2303,  
0.2135


 37.9639, 0.2303,  
0.2135


 29.5677, 0.2110,  
0.1834


 48.0077, 0.2499,  
0.2427

 22.7244, 0.1930,  
0.1537


 59.7785, 0.2689,  
0.2699

 17.3356, 0.1774,  
0.1261

 73.3552, 0.2869,  
0.2947

 13.2889, 0.1653,  
0.1023

 88.8106, 0.3035,  
0.3169

 10.4530, 0.1573,  
0.0838

99.9333, 0.3133,  
0.3300

■ 9.6112, 0.1550,  
0.0779

# Harmonies

## Analogous

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



37.9639, 0.1917, 0.2211



37.9639, 0.2303, 0.2135



37.9639, 0.2947, 0.2299

# Triad

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



37.9639, 0.2303, 0.2135



37.9639, 0.4649, 0.3722



37.9639, 0.2463, 0.4051

# Complementary

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



37.9639, 0.2303, 0.2135



79.4718, 0.3913, 0.4221

# 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.



37.9639, 0.3153, 0.4624



37.9639, 0.2303, 0.2135



37.9639, 0.4434, 0.4267

# Square

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



37.9639, 0.2303, 0.2135



37.9639, 0.4393, 0.3161



37.9639, 0.3875, 0.4652



37.9639, 0.1988, 0.3231



# Rectangle

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



37.9639, 0.2303, 0.2135



37.9639, 0.3469, 0.2522



37.9639, 0.3875, 0.4652



37.9639, 0.2676, 0.4293

# Sweetspot

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



37.9653, 0.2303, 0.2135



77.0533, 0.2904, 0.2995



81.8180, 0.2623, 0.3586



15.8080, 0.2867, 0.2944



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.



37.9653, 0.2303, 0.2135



30.6370, 0.2129, 0.1865



33.6246, 0.2483, 0.1921



17.9803, 0.2979, 0.3095



5.2352, 0.1556, 0.0802



0.6567, 0.1610, 0.0994



# Inverse Universe

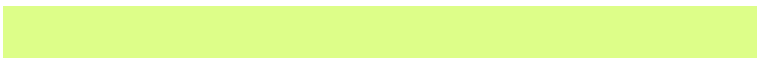
The Inverse Universe completely reimagines the original color for something new.



41.5424, 0.4119, 0.3042



35.4622, 0.4433, 0.3004



88.0129, 0.3580, 0.4520



18.0479, 0.3262, 0.3242



11.2565, 0.6067, 0.3116



1.1108, 0.5767, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 37.9639, 0.2303, 0.2135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

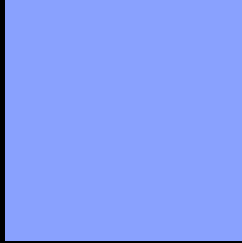
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.9639, 0.2303, 0.2135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

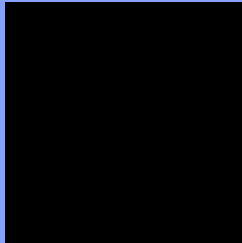
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.9639, 0.2303, 0.2135**

## Background



This preview shows how black text looks on a background with the Yxy color 37.9639, 0.2303, 0.2135.



This preview shows how white text looks on a background with the Yxy color 37.9639, 0.2303, 0.2135.

# 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

37.9639, 0.2303, 0.2135

### Protanopia

37.9662, 0.2271, 0.2130

### Deuteranopia

38.1397, 0.2233, 0.2172



## Tritanopia

37.7545, 0.2584, 0.3079

# Trichromacy



## Original Color

37.9639, 0.2303, 0.2135

## Protanomaly

38.1290, 0.2283, 0.2133

## Deuteranomaly

38.1548, 0.2258, 0.2167

## Tritanomaly

37.4894, 0.2471, 0.2683

# Monochromacy



## Original Color

37.9639, 0.2303, 0.2135

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

37.0956, 0.2772, 0.2818

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9639, 0.2303, 0.2135 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(137, 161, 254)` looks like.

```
.text, #text, p{  
    color:rgb(137, 161, 254)  
}
```

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(137, 161, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 161, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9639, 0.2303, 0.2135 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(137, 161, 254) }
```

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

```
.border{ border-color:rgb(137, 161, 254) }
```

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

Here you see how a box with a 4 pixel rgb(137, 161, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 161, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 161, 254);  
box-shadow:4px 4px 4px 4px rgb(137, 161,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9639, 0.2303, 0.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 161, 254) }
```

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

```
.background{ background-color: rgb(137,  
161, 254) }
```

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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