

Converting Colors

$Yxy(37.1508, 0.2119, 0.2137)$

Have a look what the booklet for
Yxy(37.1508, 0.2119, 0.2137)
contains.

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Color

Yxy(37.1451, 0.2119, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	63A6FF
RGB	99, 166, 255
RGB Percent	39%, 65%, 100%
CMY	0.6118, 0.3490, 0.0000
CMYK	0.61, 0.35, 0.00, 0.00
HSL	214°, 100%, 69%
HSV	214°, 61%, 100%
XYZ	36.8322, 37.1451, 99.8416
YIQ	156.1130, -68.5010, 13.4750

Conversions

Conversions Part 2

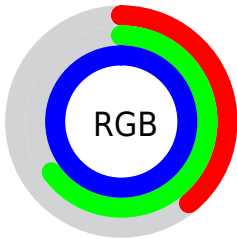
Format	Color
R _Y B	99, 146, 255
Decimal	6530815
CIE Lab	67.39, 5.11, -50.53
CIE LCh	67, 50.792, 275.772
Yxy	37.1451, 0.2119, 0.2137
Android (android.graphics.Color)	4284720895 (0xFF63A6FF)
YUV	156.1130, 48.7513, -50.0881
Hunter-Lab	60.9468, 1.2168, -54.4647

Details

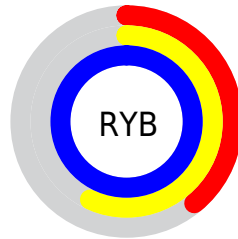
The Yxy color **37.1451, 0.2119, 0.2137** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.1280, 0.4410, 0.4170**, and the grayscale version is **33.1008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5100, 0.2554, 0.2898**, and **16.4098, 0.1858, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **30.9357, 0.1976, 0.1912**, and if you desaturate by 10%, it is **44.4076, 0.2278, 0.2360**.

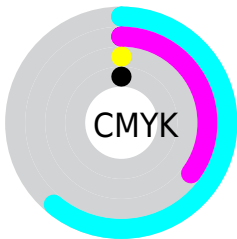
Distribution



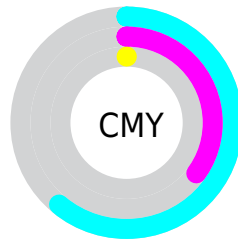
- Red (39%)
- Green (65%)
- Blue (100%)



- Red (39%)
- Yellow (57%)
- Blue (100%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (61%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1451, 0.2119, 0.2137 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 37.1451, 0.2119, 0.2137 by changing the saturation by 10% instead.


 37.1451, 0.2119,
0.2137

 37.1451, 0.2119,
0.2137

333.9383, 0.2615,
0.2696


 25.3199, 0.2002,
0.2008


 70.7959, 0.2295,
0.2333


 16.3155, 0.1857,
0.1848


 93.3902, 0.2362,
0.2409

 9.7477, 0.1675,
0.1650


 120.3431, 0.2420,
0.2474

 5.2320, 0.1441,
0.1398

 152.0388, 0.2470,
0.2530

 2.3840, 0.1139,
0.1079

188.8617, 0.2513,
0.2580

 0.8176, 0.0757,
0.0685

231.1964, 0.2551,

 0.0000, 0.0000,

0.2623

0.0000

279.4271, 0.2585,
0.2661

■ 37.1451, 0.2119,
0.2137

■ 37.1451, 0.2119,
0.2137

■ 30.9357, 0.1976,
0.1912

■ 44.4076, 0.2278,
0.2360

■ 25.7129, 0.1855,
0.1692

■ 52.7784, 0.2446,
0.2573

■ 21.4033, 0.1761,
0.1484

■ 62.3109, 0.2617,
0.2774

■ 18.2683, 0.1699,
0.1317

■ 73.0537, 0.2788,
0.2958

■ 85.0524, 0.2952,
0.3125

98.3501, 0.3109,
0.3274

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



37.1451, 0.1843, 0.2320



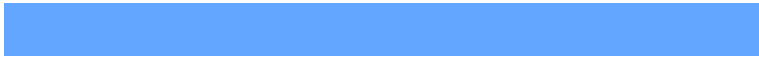
37.1451, 0.2119, 0.2137



37.1451, 0.2665, 0.2210

Triad

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



37.1451, 0.2119, 0.2137



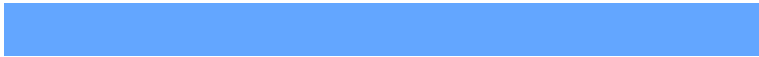
37.1451, 0.4602, 0.3496



37.1451, 0.2721, 0.4331

Complementary

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



37.1451, 0.2119, 0.2137



58.1280, 0.4410, 0.4170

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.



37.1451, 0.3447, 0.4697



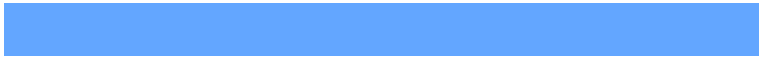
37.1451, 0.2119, 0.2137



37.1451, 0.4567, 0.4057

Square

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



37.1451, 0.2119, 0.2137



37.1451, 0.4164, 0.2952



37.1451, 0.4125, 0.4530



37.1451, 0.2145, 0.3556

Rectangle

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



37.1451, 0.2119, 0.2137



37.1451, 0.3153, 0.2381



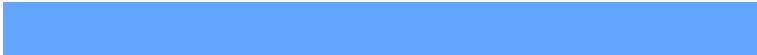
37.1451, 0.4125, 0.4530



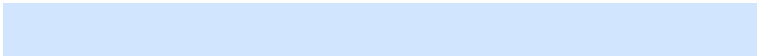
37.1451, 0.2956, 0.4515

Sweetspot

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



37.1459, 0.2119, 0.2137



76.7253, 0.2841, 0.3013



77.7779, 0.2665, 0.4152



15.7011, 0.2792, 0.2963



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.



37.1459, 0.2119, 0.2137



29.9110, 0.1952, 0.1871



19.4211, 0.1989, 0.1338



18.6606, 0.2979, 0.3151



9.8282, 0.1708, 0.1347



1.1687, 0.1769, 0.1567

Inverse Universe

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



32.9375, 0.4201, 0.2631



27.6613, 0.4535, 0.2572



91.7616, 0.3917, 0.4759



18.1166, 0.3226, 0.3188



11.7201, 0.5262, 0.2673



1.1625, 0.4973, 0.2513

Previews

White Background



This preview shows how the Yxy color 37.1451, 0.2119, 0.2137 looks on a white background.

Color Contrast Check

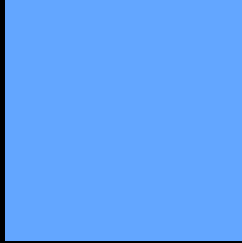
Large Text (above 18pt) WCAG AA × Fail

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 37.1451, 0.2119, 0.2137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

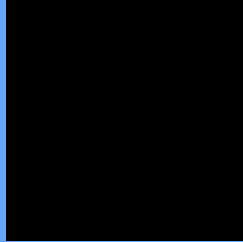
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

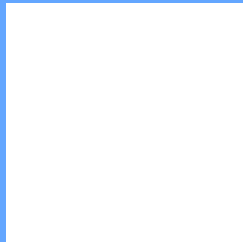
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1451, 0.2119, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 37.1451, 0.2119, 0.2137.

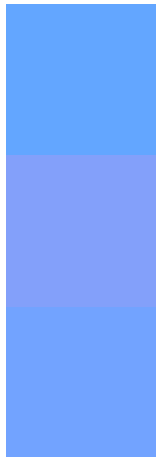


This preview shows how white text looks on a background with the Yxy color 37.1451, 0.2119, 0.2137.

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

37.1451, 0.2119, 0.2137

Protanopia

36.8690, 0.2284, 0.2149

Deuteranopia

36.9918, 0.2179, 0.2116



Tritanopia

36.9931, 0.2317, 0.3053

Trichromacy



Original Color

37.1451, 0.2119, 0.2137

Protanomaly

36.7909, 0.2214, 0.2138

Deuteranomaly

37.0221, 0.2158, 0.2123

Tritanomaly

36.9793, 0.2235, 0.2672

Monochromacy



Original Color

37.1451, 0.2119, 0.2137

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.0983, 0.2652, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1451, 0.2119, 0.2137 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(99, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 166, 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(99, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.1451, 0.2119, 0.2137 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(99, 166, 255) }
```

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

```
.border{ border-color:rgb(99, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1451, 0.2119, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 166, 255) }
```

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

```
.background{ background-color: rgb(99, 166,  
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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