

Converting Colors

Yxy(37.6682, 0.2087, 0.2166)

Have a look what the booklet for
Yxy(37.6682, 0.2087, 0.2166)
contains.

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Color

Yxy(37.7198, 0.2089, 0.2167)

Conversions

Conversions Part 1

Format	Color
Hex	59A9FF
RGB	89, 169, 255
RGB Percent	35%, 66%, 100%
CMY	0.6508, 0.3373, 0.0000
CMYK	0.65, 0.34, 0.00, 0.00
HSL	211°, 100%, 67%
HSV	211°, 65%, 100%
XYZ	36.3621, 37.7198, 99.9827
YIQ	154.8840, -75.2860, 9.7860

Conversions

Conversions Part 2

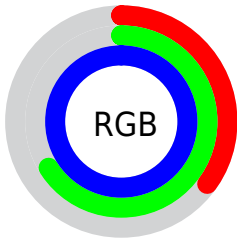
Format	Color
R _{YB}	89, 143, 255
Decimal	5876223
CIE Lab	67.81, 1.71, -49.89
CIE LCh	68, 49.918, 271.959
Yxy	37.7198, 0.2089, 0.2167
Android (android.graphics.Color)	4284066303 (0xFF59A9FF)
YUV	154.8840, 49.3572, -57.7803
Hunter-Lab	61.4164, -1.7964, -53.5295

Details

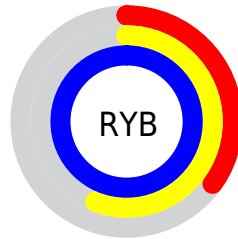
The Yxy color **37.7198, 0.2089, 0.2167** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **52.6622, 0.4576, 0.4127**, and the grayscale version is **32.5321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3036, 0.2518, 0.2930**, and **16.7998, 0.1857, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **31.9979, 0.1961, 0.1962**, and if you desaturate by 10%, it is **44.3763, 0.2235, 0.2371**.

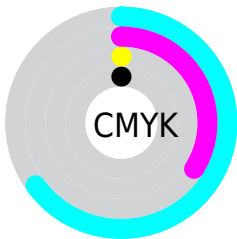
Distribution



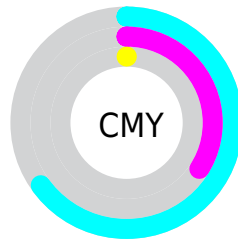
- Red (35%)
- Green (66%)
- Blue (100%)



- Red (35%)
- Yellow (56%)
- Blue (100%)



- Cyan (65%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7198, 0.2089, 0.2167 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 37.7198, 0.2089, 0.2167 by changing the saturation by 10% instead.


 37.7198, 0.2089,
0.2167


 37.7198, 0.2089,
0.2167


336.4165, 0.2597,
0.2714

 25.7653, 0.1970,
0.2040


 71.6785, 0.2268,
0.2360

 16.6481, 0.1823,
0.1883


 94.4514, 0.2338,
0.2434

 9.9839, 0.1638,
0.1686


 121.5993, 0.2397,
0.2497

 5.3883, 0.1403,
0.1437

 153.5065, 0.2448,
0.2552

 2.4769, 0.1101,
0.1118

190.5574, 0.2492,
0.2600

 0.8650, 0.0722,
0.0723

233.1364, 0.2531,

 0.0000, 0.0000,

0.2643

0.0000

281.6280, 0.2566,
0.2680

■ 37.7198, 0.2089,
0.2167

■ 37.7198, 0.2089,
0.2167

■ 31.9979, 0.1961,
0.1962

■ 44.3763, 0.2235,
0.2371

■ 27.1473, 0.1857,
0.1762

■ 52.0207, 0.2393,
0.2568

■ 23.0947, 0.1777,
0.1572

■ 60.7030, 0.2558,
0.2754

■ 21.3479, 0.1746,
0.1484

■ 70.4687, 0.2725,
0.2926

■ 81.3600, 0.2890,
0.3083

■ 93.4169, 0.3049,
0.3224

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.



37.7198, 0.1852, 0.2383



37.7198, 0.2089, 0.2167



37.7198, 0.2594, 0.2208

Triad

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



37.7198, 0.2089, 0.2167



37.7198, 0.4540, 0.3425



37.7198, 0.2818, 0.4380

Complementary

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



37.7198, 0.2089, 0.2167



52.6622, 0.4576, 0.4127

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.



37.7198, 0.3534, 0.4670



37.7198, 0.2089, 0.2167



37.7198, 0.4567, 0.3978

Square

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



37.7198, 0.2089, 0.2167



37.7198, 0.4059, 0.2897



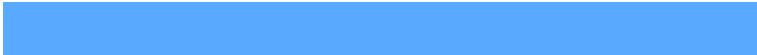
37.7198, 0.4178, 0.4459



37.7198, 0.2224, 0.3654

Rectangle

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



37.7198, 0.2089, 0.2167



37.7198, 0.3057, 0.2359



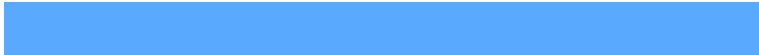
37.7198, 0.4178, 0.4459



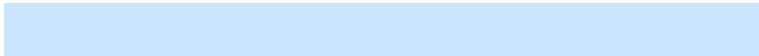
37.7198, 0.3053, 0.4538

Sweetspot

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



37.7202, 0.2089, 0.2167



75.8579, 0.2809, 0.3008



76.7330, 0.2688, 0.4333



15.5907, 0.2763, 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.



37.7202, 0.2089, 0.2167



30.4942, 0.1928, 0.1903



16.6382, 0.1871, 0.1196



18.8219, 0.2979, 0.3164



11.4503, 0.1754, 0.1513



1.3323, 0.1812, 0.1724

Inverse Universe

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



31.2769, 0.4189, 0.2521



26.3624, 0.4520, 0.2466



92.9812, 0.4008, 0.4791



18.1329, 0.3218, 0.3176



11.8839, 0.5042, 0.2551



1.1790, 0.4778, 0.2406

Previews

White Background



This preview shows how the Yxy color 37.7198, 0.2089, 0.2167 looks on a white background.

Color Contrast Check

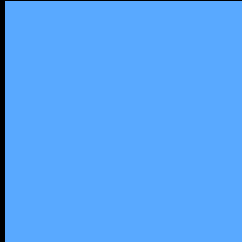
Large Text (above 18pt) WCAG AA × Fail

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 37.7198, 0.2089, 0.2167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

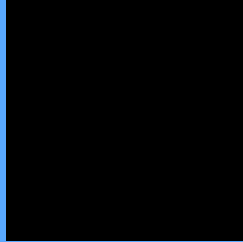
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

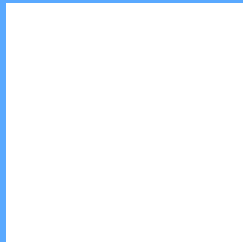
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7198, 0.2089, 0.2167

Background



This preview shows how black text looks on a background with the Yxy color 37.7198, 0.2089, 0.2167.



This preview shows how white text looks on a background with the Yxy color 37.7198, 0.2089, 0.2167.

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

37.7198, 0.2089, 0.2167

Protanopia

37.3354, 0.2314, 0.2186

Deuteranopia

37.5528, 0.2196, 0.2133



Tritanopia

37.8455, 0.2264, 0.3053

Trichromacy



Original Color

37.7198, 0.2089, 0.2167

Protanomaly

37.3675, 0.2219, 0.2173

Deuteranomaly

37.6182, 0.2154, 0.2147

Tritanomaly

37.6473, 0.2191, 0.2699

Monochromacy



Original Color

37.7198, 0.2089, 0.2167

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7285, 0.2628, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7198, 0.2089, 0.2167 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(89, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 169, 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(89, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.7198, 0.2089, 0.2167 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(89, 169, 255) }
```

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

```
.border{ border-color:rgb(89, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7198, 0.2089, 0.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 169, 255) }
```

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

```
.background{ background-color: rgb(89, 169,  
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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