

Converting Colors

$Yxy(42.8619, 0.2132, 0.2347)$

Have a look what the booklet for
Yxy(42.8619, 0.2132, 0.2347)
contains.

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Color

Yxy(42.7997, 0.2131, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	59B6FF
RGB	89, 182, 255
RGB Percent	35%, 71%, 100%
CMY	0.6512, 0.2862, 0.0000
CMYK	0.65, 0.29, 0.00, 0.00
HSL	206°, 100%, 67%
HSV	206°, 65%, 100%
XYZ	38.8939, 42.7997, 100.8211
YIQ	162.5150, -78.8610, 2.9870

Conversions

Conversions Part 2

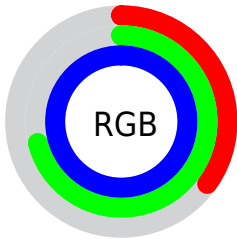
Format	Color
R _Y B	89, 149, 255
Decimal	5879551
CIE Lab	71.42, -5.60, -44.21
CIE LCh	71, 44.568, 262.786
Yxy	42.7997, 0.2131, 0.2345
Android (android.graphics.Color)	4284069631 (0xFF59B6FF)
YUV	162.5150, 45.5951, -64.4727
Hunter-Lab	65.4215, -8.3671, -45.5769

Details

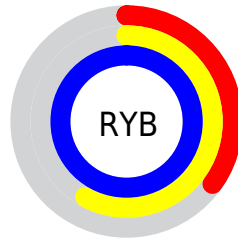
The Yxy color **42.7997, 0.2131, 0.2345** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **47.8006, 0.4683, 0.4001**, and the grayscale version is **36.1900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1414, 0.2544, 0.3095**, and **19.7777, 0.1917, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **37.3419, 0.2015, 0.2171**, and if you desaturate by 10%, it is **49.0641, 0.2265, 0.2516**.

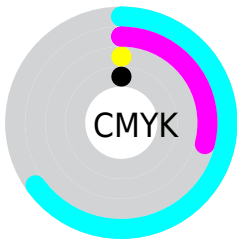
Distribution



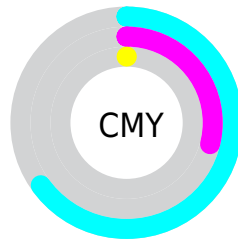
- Red (35%)
- Green (71%)
- Blue (100%)



- Red (35%)
- Yellow (58%)
- Blue (100%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7997, 0.2131, 0.2345 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 42.7997, 0.2131, 0.2345 by changing the saturation by 10% instead.

■ 42.7997, 0.2131,
0.2345

■ 42.7997, 0.2131,
0.2345

■ 357.7874, 0.2610,
0.2807

■ 29.7280, 0.2020,
0.2236

■ 79.4085, 0.2299,
0.2509

■ 19.6322, 0.1883,
0.2101

■ 103.7144, 0.2364,
0.2572

■ 12.1280, 0.1712,
0.1929

■ 132.5338, 0.2420,
0.2625

■ 6.8309, 0.1493,
0.1707

■ 166.2511, 0.2468,
0.2672

■ 3.3566, 0.1210,
0.1415

■ 205.2507, 0.2510,
0.2712

■ 1.3206, 0.0846,
0.1029

■ 249.9171, 0.2547,

■ 0.1571, 0.0022,

0.2748

0.0274

300.6345, 0.2580,
0.2779

■ 0.0000, 0.0000,
0.0000

■ 42.7997, 0.2131,
0.2345

■ 42.7997, 0.2131,
0.2345

■ 37.3419, 0.2015,
0.2171

■ 49.0641, 0.2265,
0.2516

■ 32.6310, 0.1920,
0.1999

■ 56.1803, 0.2413,
0.2681

■ 28.6011, 0.1849,
0.1833

■ 64.1934, 0.2569,
0.2837

■ 26.8374, 0.1821,
0.1754

■ 73.1437, 0.2729,
0.2982

■ 83.0686, 0.2890,
0.3114

94.0031, 0.3048,
0.3234

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.



42.7997, 0.1995, 0.2622



42.7997, 0.2131, 0.2345



42.7997, 0.2510, 0.2309

Triad

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



42.7997, 0.2131, 0.2345



42.7997, 0.4247, 0.3276



42.7997, 0.3059, 0.4330

Complementary

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



42.7997, 0.2131, 0.2345



47.8006, 0.4683, 0.4001

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.



42.7997, 0.3679, 0.4455



42.7997, 0.2131, 0.2345



42.7997, 0.4403, 0.3765

Square

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



42.7997, 0.2131, 0.2345



42.7997, 0.3745, 0.2824



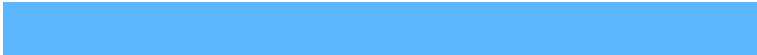
42.7997, 0.4178, 0.4206



42.7997, 0.2489, 0.3809

Rectangle

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



42.7997, 0.2131, 0.2345



42.7997, 0.2880, 0.2403



42.7997, 0.4178, 0.4206



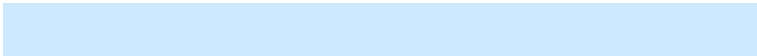
42.7997, 0.3268, 0.4421

Sweetspot

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



42.8009, 0.2131, 0.2345



78.0986, 0.2812, 0.3051



76.2113, 0.2748, 0.4524



16.1270, 0.2767, 0.3014



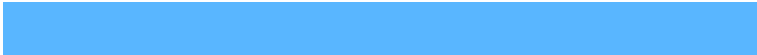
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.8009, 0.2131, 0.2345



35.9098, 0.1985, 0.2121



18.4597, 0.1883, 0.1300



19.0667, 0.2979, 0.3183



14.3258, 0.1828, 0.1781



1.6126, 0.1880, 0.1967

Inverse Universe

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



31.7743, 0.4016, 0.2396



26.9091, 0.4283, 0.2320



86.6397, 0.4092, 0.4704



18.1576, 0.3206, 0.3158



12.1742, 0.4709, 0.2368



1.2073, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 42.7997, 0.2131, 0.2345 looks on a white background.

Color Contrast Check

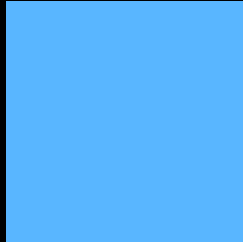
Large Text (above 18pt) WCAG AA × Fail

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 42.7997, 0.2131, 0.2345 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

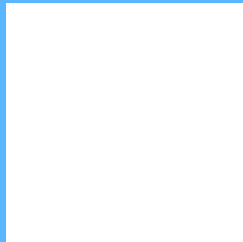
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7997, 0.2131, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 42.7997, 0.2131, 0.2345.



This preview shows how white text looks on a background with the Yxy color 42.7997, 0.2131, 0.2345.

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

42.7997, 0.2131, 0.2345

Protanopia

42.2637, 0.2444, 0.2360

Deuteranopia

42.5961, 0.2337, 0.2281



Tritanopia

42.7907, 0.2273, 0.3050

Trichromacy



Original Color

42.7997, 0.2131, 0.2345

Protanomaly

42.0887, 0.2309, 0.2351

Deuteranomaly

42.3356, 0.2249, 0.2296

Tritanomaly

42.7260, 0.2218, 0.2778

Monochromacy



Original Color

42.7997, 0.2131, 0.2345

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.9692, 0.2649, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7997, 0.2131, 0.2345 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, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 182, 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, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.7997, 0.2131, 0.2345 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, 182, 255) }
```

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

```
.border{ border-color:rgb(89, 182, 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, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7997, 0.2131, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 182, 255) }
```

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

```
.background{ background-color: rgb(89, 182,  
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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