

Converting Colors

$Yxy(38.0238, 0.2143, 0.2257)$

Have a look what the booklet for
Yxy(38.0238, 0.2143, 0.2257)
contains.

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Color

Yxy(37.9597, 0.2142, 0.2256)

Conversions

Conversions Part 1

Format	Color
Hex	5FAAF8
RGB	95, 170, 248
RGB Percent	37%, 67%, 97%
CMY	0.6274, 0.3333, 0.0273
CMYK	0.62, 0.31, 0.00, 0.03
HSL	211°, 92%, 67%
HSV	211°, 62%, 97%
XYZ	36.0415, 37.9597, 94.2599
YIQ	156.4670, -69.7380, 8.3580

Conversions

Conversions Part 2

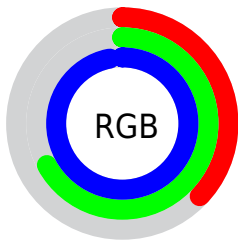
Format	Color
R _Y B	95, 145, 248
Decimal	6269688
CIE Lab	67.99, -0.13, -45.80
CIE LCh	68, 45.801, 269.841
Yxy	37.9597, 0.2142, 0.2256
Android (android.graphics.Color)	4284459768 (0xFF5FAAF8)
YUV	156.4670, 45.1258, -53.9066
Hunter-Lab	61.6114, -3.4009, -47.5803

Details

The Yxy color **37.9597, 0.2142, 0.2256** 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 **50.6943, 0.4491, 0.4085**, and the grayscale version is **33.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2385, 0.2540, 0.2944**, and **16.7185, 0.1884, 0.1984** is the 20% darker color. If you saturate the color by 10%, you get **32.3209, 0.2009, 0.2054**, and if you desaturate by 10%, it is **44.4801, 0.2291, 0.2454**.

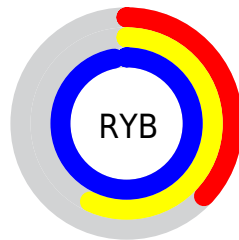
Distribution



Red (37%)

Green (67%)

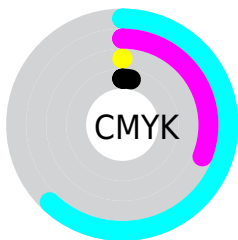
Blue (97%)



Red (37%)

Yellow (57%)

Blue (97%)

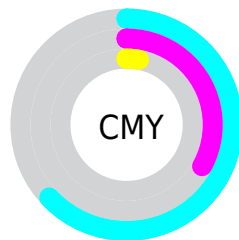


Cyan (62%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (63%)


Magenta (33%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9597, 0.2142, 0.2256 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 37.9597, 0.2142, 0.2256 by changing the saturation by 10% instead.


 37.9597, 0.2142,
0.2256


 37.9597, 0.2142,
0.2256


337.4471, 0.2626,
0.2764

 25.9514, 0.2027,
0.2136


 72.0464, 0.2314,
0.2437


 16.7873, 0.1885,
0.1986


 94.8935, 0.2380,
0.2506

 10.0830, 0.1705,
0.1797


 122.1224, 0.2436,
0.2565

 5.4540, 0.1473,
0.1553

 154.1175, 0.2484,
0.2616

 2.5160, 0.1170,
0.1234

191.2631, 0.2527,
0.2660

 0.8846, 0.0780,
0.0824

233.9436, 0.2564,

 0.0000, 0.0000,

0.2699

0.0000

282.5435, 0.2597,
0.2734

■ 37.9597, 0.2142,
0.2256

■ 37.9597, 0.2142,
0.2256

■ 32.3209, 0.2009,
0.2054

■ 44.4801, 0.2291,
0.2454

■ 27.5053, 0.1897,
0.1855

■ 51.9267, 0.2451,
0.2644

■ 23.4505, 0.1809,
0.1663

■ 60.3451, 0.2616,
0.2822

■ 20.5865, 0.1754,
0.1514

■ 69.7762, 0.2782,
0.2986

■ 80.2582, 0.2945,
0.3135

91.8269, 0.3101,
0.3269

99.5593, 0.3167,
0.3357

Harmonies

Analogous

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



37.9597, 0.1937, 0.2482



37.9597, 0.2142, 0.2256



37.9597, 0.2597, 0.2275

Triad

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



37.9597, 0.2142, 0.2256



37.9597, 0.4403, 0.3389



37.9597, 0.2895, 0.4312

Complementary

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



37.9597, 0.2142, 0.2256



50.6943, 0.4491, 0.4085

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.



37.9597, 0.3558, 0.4549



37.9597, 0.2142, 0.2256



37.9597, 0.4465, 0.3905

Square

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



37.9597, 0.2142, 0.2256



37.9597, 0.3938, 0.2898



37.9597, 0.4138, 0.4349



37.9597, 0.2329, 0.3677

Rectangle

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



37.9597, 0.2142, 0.2256



37.9597, 0.3018, 0.2407



37.9597, 0.4138, 0.4349



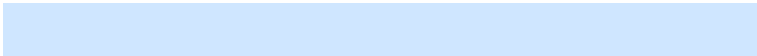
37.9597, 0.3114, 0.4445

Sweetspot

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



37.9610, 0.2142, 0.2256



77.1769, 0.2826, 0.3028



72.5485, 0.2710, 0.4302



15.8608, 0.2779, 0.2983



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.



37.9610, 0.2142, 0.2256



33.1055, 0.1980, 0.2006



17.3994, 0.1923, 0.1299



18.0475, 0.2980, 0.3166



11.3968, 0.1762, 0.1542



1.2671, 0.1822, 0.1761

Inverse Universe

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



31.0511, 0.4087, 0.2535



27.6868, 0.4392, 0.2460



87.9435, 0.3994, 0.4723



17.3670, 0.3217, 0.3174



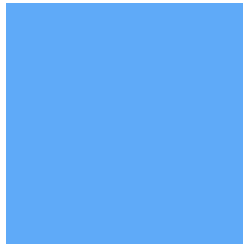
11.5614, 0.5005, 0.2531



1.0921, 0.4733, 0.2381

Previews

White Background



This preview shows how the Yxy color 37.9597, 0.2142, 0.2256 looks on a white background.

Color Contrast Check

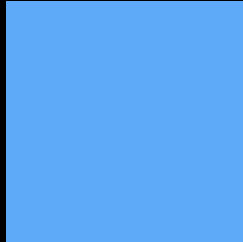
Large Text (above 18pt) WCAG AA × Fail

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 37.9597, 0.2142, 0.2256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

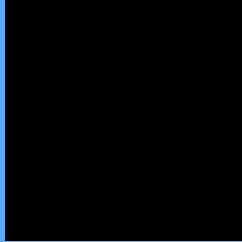
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

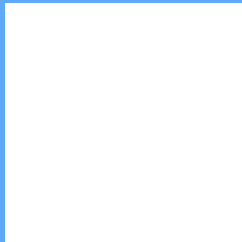
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.9597, 0.2142, 0.2256

Background



This preview shows how black text looks on a background with the Yxy color 37.9597, 0.2142, 0.2256.



This preview shows how white text looks on a background with the Yxy color 37.9597, 0.2142, 0.2256.

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

37.9597, 0.2142, 0.2256

Protanopia

37.5948, 0.2377, 0.2275

Deuteranopia

37.7504, 0.2265, 0.2202



Tritanopia

37.8847, 0.2314, 0.3055

Trichromacy



Original Color

37.9597, 0.2142, 0.2256

Protanomaly

37.5795, 0.2274, 0.2261

Deuteranomaly

37.6894, 0.2213, 0.2213

Tritanomaly

37.5680, 0.2243, 0.2728

Monochromacy



Original Color

37.9597, 0.2142, 0.2256

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2322, 0.2667, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9597, 0.2142, 0.2256 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(95, 170, 248)` looks like.

```
.text, #text, p{  
    color:rgb(95, 170, 248)  
}
```

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(95, 170, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 248) }
```

Border

The CSS property to change the border of an element to Yxy 37.9597, 0.2142, 0.2256 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(95, 170, 248) }
```

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

```
.border{ border-color:rgb(95, 170, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 170, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9597, 0.2142, 0.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 170, 248) }
```

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

```
.background{ background-color: rgb(95, 170,  
248) }
```

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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