

Converting Colors

$Yxy(38.0061, 0.2111, 0.2226)$

Have a look what the booklet for
Yxy(38.0061, 0.2111, 0.2226)
contains.

Yxy(37.8881, 0.2111, 0.2221)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.8881, 0.2111, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	5AAAFB
RGB	90, 170, 251
RGB Percent	35%, 67%, 98%
CMY	0.6467, 0.3334, 0.0156
CMYK	0.64, 0.32, 0.00, 0.02
HSL	210°, 95%, 67%
HSV	210°, 64%, 98%
XYZ	36.0116, 37.8881, 96.6906
YIQ	155.3140, -73.6810, 8.2310

Conversions

Conversions Part 2

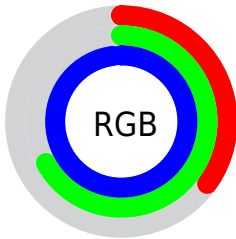
Format	Color
R _Y B	90, 143, 251
Decimal	5942011
CIE Lab	67.94, 0.00, -47.52
CIE LCh	68, 47.517, 270.000
Yxy	37.8881, 0.2111, 0.2221
Android (android.graphics.Color)	4284132091 (0xFF5AAAFB)
YUV	155.3140, 47.1732, -57.2804
Hunter-Lab	61.5533, -3.2873, -50.0479

Details

The Yxy color **37.8881, 0.2111, 0.2221** 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 **50.4236, 0.4567, 0.4096**, and the grayscale version is **32.7472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8427, 0.2520, 0.2942**, and **16.8519, 0.1875, 0.1948** is the 20% darker color. If you saturate the color by 10%, you get **32.3217, 0.1983, 0.2022**, and if you desaturate by 10%, it is **44.3376, 0.2256, 0.2418**.

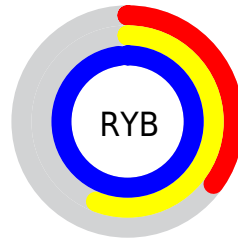
Distribution



Red (35%)

Green (67%)

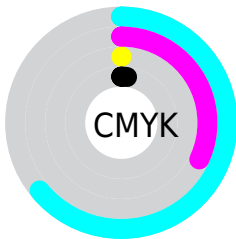
Blue (98%)



Red (35%)

Yellow (56%)

Blue (98%)

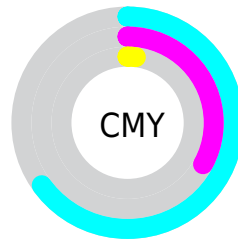


Cyan (64%)

Magenta (32%)

Yellow (0%)

Black (2%)



Cyan (65%)


Magenta (33%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8881, 0.2111, 0.2221 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 37.8881, 0.2111, 0.2221 by changing the saturation by 10% instead.

 37.8881, 0.2111,
0.2221


 37.8881, 0.2111,
0.2221


337.1397, 0.2609,
0.2745


 25.8959, 0.1994,
0.2098


 71.9366, 0.2287,
0.2407

 16.7457, 0.1849,
0.1945


 94.7616, 0.2355,
0.2478

 10.0534, 0.1666,
0.1752


 121.9664, 0.2413,
0.2539

 5.4344, 0.1431,
0.1506

 153.9352, 0.2463,
0.2591

 2.5043, 0.1128,
0.1186

191.0526, 0.2506,
0.2637

 0.8788, 0.0743,
0.0782

233.7029, 0.2545,

 0.0000, 0.0000,

0.2677

0.0000

282.2704, 0.2579,
0.2713

■ 37.8881, 0.2111,
0.2221

■ 37.8881, 0.2111,
0.2221

■ 32.3217, 0.1983,
0.2022

■ 44.3376, 0.2256,
0.2418

■ 27.5771, 0.1878,
0.1826

■ 51.7171, 0.2413,
0.2608

■ 23.5873, 0.1797,
0.1639

■ 60.0740, 0.2577,
0.2787

■ 21.5371, 0.1760,
0.1534

■ 69.4506, 0.2742,
0.2952

■ 79.8865, 0.2906,
0.3103

■ 91.4186, 0.3064,
0.3239

■ 99.7458, 0.3150,
0.3328

Harmonies

Analogous

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



37.8881, 0.1899, 0.2450



37.8881, 0.2111, 0.2221



37.8881, 0.2581, 0.2244

Triad

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



37.8881, 0.2111, 0.2221



37.8881, 0.4453, 0.3391



37.8881, 0.2880, 0.4353

Complementary

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



37.8881, 0.2111, 0.2221



50.4236, 0.4567, 0.4096

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.



37.8881, 0.3565, 0.4599



37.8881, 0.2111, 0.2221



37.8881, 0.4512, 0.3923

Square

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



37.8881, 0.2111, 0.2221



37.8881, 0.3972, 0.2886



37.8881, 0.4168, 0.4385



37.8881, 0.2297, 0.3688

Rectangle

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



37.8881, 0.2111, 0.2221



37.8881, 0.3016, 0.2380



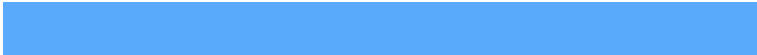
37.8881, 0.4168, 0.4385



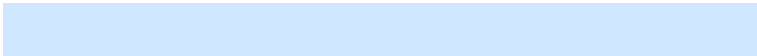
37.8881, 0.3106, 0.4492

Sweetspot

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



37.8894, 0.2111, 0.2221



77.3511, 0.2826, 0.3031



74.1035, 0.2703, 0.4351



15.9028, 0.2779, 0.2987



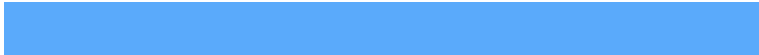
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.8894, 0.2111, 0.2221



31.9606, 0.1950, 0.1963



16.4736, 0.1876, 0.1221



18.0666, 0.2980, 0.3167



11.6105, 0.1768, 0.1563



1.2872, 0.1828, 0.1780

Inverse Universe

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



30.7423, 0.4131, 0.2505



26.7569, 0.4450, 0.2440



90.2527, 0.4018, 0.4763



17.3689, 0.3216, 0.3173



11.5830, 0.4977, 0.2516



1.0942, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 37.8881, 0.2111, 0.2221 looks on a white background.

Color Contrast Check

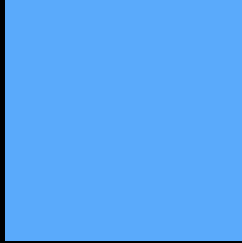
Large Text (above 18pt) WCAG AA × Fail

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 37.8881, 0.2111, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

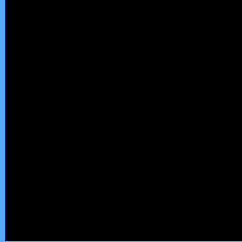
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

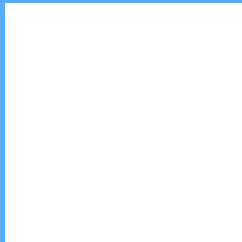
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8881, 0.2111, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 37.8881, 0.2111, 0.2221.



This preview shows how white text looks on a background with the Yxy color 37.8881, 0.2111, 0.2221.

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

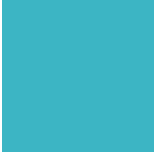
37.8881, 0.2111, 0.2221

Protanopia

37.6907, 0.2355, 0.2243

Deuteranopia

37.6441, 0.2230, 0.2167



Tritanopia

37.9939, 0.2279, 0.3054

Trichromacy



Original Color

37.8881, 0.2111, 0.2221

Protanomaly

37.6187, 0.2250, 0.2228

Deuteranomaly

37.6157, 0.2180, 0.2179

Tritanomaly

37.7417, 0.2208, 0.2713

Monochromacy



Original Color

37.8881, 0.2111, 0.2221

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.6846, 0.2635, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8881, 0.2111, 0.2221 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(90, 170, 251)` looks like.

```
.text, #text, p{  
    color:rgb(90, 170, 251)  
}
```

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(90, 170, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 170, 251) }
```

Border

The CSS property to change the border of an element to Yxy 37.8881, 0.2111, 0.2221 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(90, 170, 251) }
```

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

```
.border{ border-color:rgb(90, 170, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 170, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 170, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 170, 251);  
box-shadow:4px 4px 4px 4px rgb(90, 170,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8881, 0.2111, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 170, 251) }
```

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

```
.background{ background-color: rgb(90, 170,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor