

Converting Colors

Yxy(38.9468, 0.2131, 0.2205)

Have a look what the booklet for
Yxy(38.9468, 0.2131, 0.2205)
contains.

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Color

Yxy(38.9425, 0.2130, 0.2203)

Conversions

Conversions Part 1	
Format	Color
Hex	62ABFF
RGB	98, 171, 255
RGB Percent	38%, 67%, 100%
CMY	0.6158, 0.3294, 0.0000
CMYK	0.62, 0.33, 0.00, 0.00
HSL	212°, 100%, 69%
HSV	212°, 62%, 100%
XYZ	37.6521, 38.9425, 100.1757
YIQ	158.7490, -70.4720, 10.6480

Conversions

Conversions Part 2

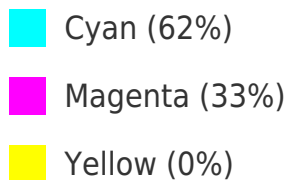
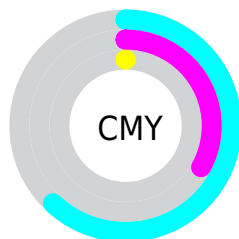
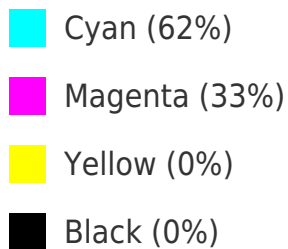
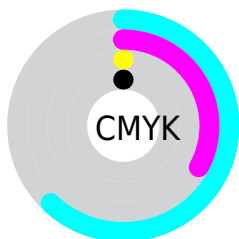
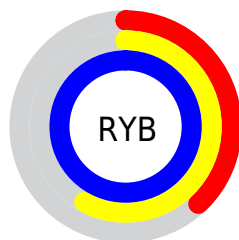
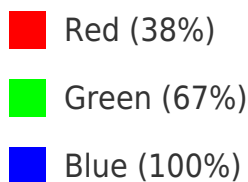
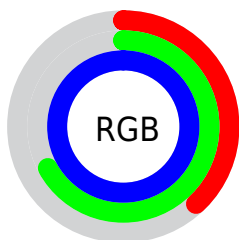
Format	Color
RYB	98, 148, 255
Decimal	6466559
CIELab	68.71, 2.09, -48.47
CIELCh	69, 48.514, 272.466
Yxy	38.9425, 0.2130, 0.2203
Android (android.graphics.Color)	4284656639 (0xFF62ABFF)
YUV	158.7490, 47.4517, -53.2769
Hunter-Lab	62.4039, -1.5070, -51.4943

Details

The Yxy color **38.9425, 0.2130, 0.2203** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **55.5833, 0.4461, 0.4122**, and the grayscale version is **34.3494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0863, 0.2557, 0.2957**, and **17.3096, 0.1873, 0.1922** is the 20% darker color. If you saturate the color by 10%, you get **32.8519, 0.1993, 0.1992**, and if you desaturate by 10%, it is **46.0135, 0.2283, 0.2412**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9425, 0.2130, 0.2203 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 38.9425, 0.2130, 0.2203 by changing the saturation by 10% instead.


 38.9425, 0.2130,
0.2203


 38.9425, 0.2130,
0.2203


 341.6460, 0.2617,
0.2731

 26.7150, 0.2016,
0.2080


 73.5505, 0.2302,
0.2389


 17.3593, 0.1874,
0.1928


 96.6997, 0.2368,
0.2461


 10.4910, 0.1696,
0.1738


 124.2584, 0.2425,
0.2522

 5.7257, 0.1468,
0.1496

 156.6108, 0.2474,
0.2575

 2.6790, 0.1173,
0.1184

 194.1413, 0.2517,
0.2621

 0.9665, 0.0797,
0.0791


 237.2345, 0.2554,


 0.0000, 0.0000,

0.2662


0.0000

286.2745, 0.2588,
0.2698


 38.9425, 0.2130,
0.2203


 38.9425, 0.2130,
0.2203


 32.8519, 0.1993,
0.1992


 46.0135, 0.2283,
0.2412

 27.6855, 0.1878,
0.1783

 54.1235, 0.2447,
0.2612

 23.3712, 0.1788,
0.1585

 63.3203, 0.2615,
0.2800

 20.3179, 0.1730,
0.1429

 73.6497, 0.2782,
0.2972

 85.1544, 0.2946,
0.3129

97.8745, 0.3103,
0.3269

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.



38.9425, 0.1895, 0.2411



38.9425, 0.2130, 0.2203



38.9425, 0.2624, 0.2245

Triad

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



38.9425, 0.2130, 0.2203



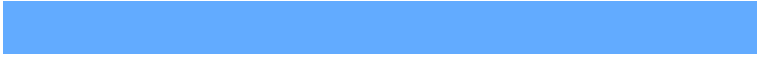
38.9425, 0.4490, 0.3435



38.9425, 0.2821, 0.4324

Complementary

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



38.9425, 0.2130, 0.2203



55.5833, 0.4461, 0.4122

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.



38.9425, 0.3513, 0.4614



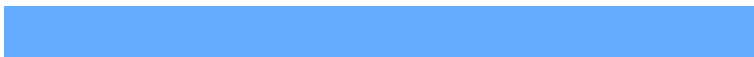
38.9425, 0.2130, 0.2203



38.9425, 0.4512, 0.3970

Square

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



38.9425, 0.2130, 0.2203



38.9425, 0.4034, 0.2920



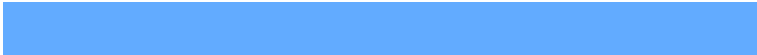
38.9425, 0.4136, 0.4427



38.9425, 0.2249, 0.3628

Rectangle

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



38.9425, 0.2130, 0.2203



38.9425, 0.3074, 0.2394



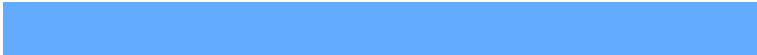
38.9425, 0.4136, 0.4427



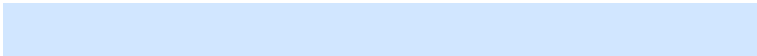
38.9425, 0.3048, 0.4478

Sweetspot

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



38.9410, 0.2130, 0.2203



77.6329, 0.2841, 0.3030



77.4806, 0.2687, 0.4230



15.9215, 0.2793, 0.2983



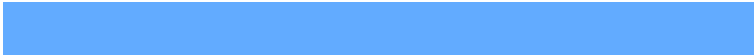
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.9410, 0.2130, 0.2203



31.5203, 0.1963, 0.1941



18.8447, 0.1951, 0.1312



18.7703, 0.2979, 0.3159



10.9087, 0.1739, 0.1459



1.2782, 0.1798, 0.1673

Inverse Universe

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



32.9295, 0.4138, 0.2573



27.5267, 0.4463, 0.2505



92.6819, 0.3957, 0.4744



18.1277, 0.3221, 0.3180



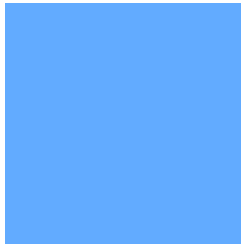
11.8292, 0.5113, 0.2590



1.1736, 0.4840, 0.2440

Previews

White Background



This preview shows how the Yxy color 38.9425, 0.2130, 0.2203 looks on a white background.

Color Contrast Check

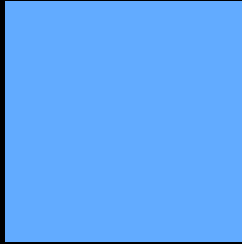
Large Text (above 18pt) WCAG AA × Fail

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 38.9425, 0.2130, 0.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

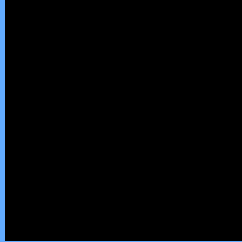
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

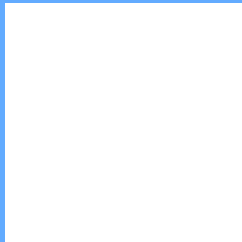
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9425, 0.2130, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 38.9425, 0.2130, 0.2203.



This preview shows how white text looks on a background with the Yxy color 38.9425, 0.2130, 0.2203.

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

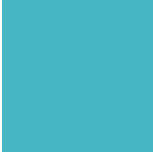
38.9425, 0.2130, 0.2203

Protanopia

38.7937, 0.2340, 0.2222

Deuteranopia

38.7034, 0.2232, 0.2168



Tritanopia

38.7892, 0.2312, 0.3057

Trichromacy



Original Color

38.9425, 0.2130, 0.2203

Protanomaly

38.8134, 0.2253, 0.2219

Deuteranomaly

38.8027, 0.2193, 0.2182

Tritanomaly

38.6082, 0.2236, 0.2708

Monochromacy



Original Color

38.9425, 0.2130, 0.2203

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4078, 0.2659, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9425, 0.2130, 0.2203 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(98, 171, 255) looks like.

```
.text, #text, p{  
    color:rgb(98, 171, 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(98, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.9425, 0.2130, 0.2203 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(98, 171, 255) }
```

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

```
.border{ border-color:rgb(98, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9425, 0.2130, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 171, 255) }
```

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

```
.background{ background-color: rgb(98, 171,  
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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