

Converting Colors

$Yxy(38.4883, 0.2182, 0.2173)$

Have a look what the booklet for
Yxy(38.4883, 0.2182, 0.2173)
contains.

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Color

Yxy(38.6700, 0.2183, 0.2179)

Conversions

Conversions Part 1

Format	Color
Hex	70A8FF
RGB	112, 168, 255
RGB Percent	44%, 66%, 100%
CMY	0.5607, 0.3412, 0.0000
CMYK	0.56, 0.34, 0.00, 0.00
HSL	217°, 100%, 72%
HSV	217°, 56%, 100%
XYZ	38.7410, 38.6700, 100.0557
YIQ	161.1740, -61.3030, 15.1850

Conversions

Conversions Part 2

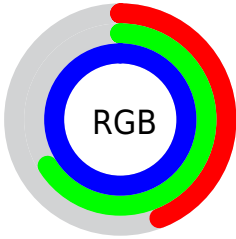
Format	Color
RYB	112, 152, 255
Decimal	7383295
CIELab	68.51, 6.45, -48.73
CIElCh	69, 49.157, 277.536
Yxy	38.6700, 0.2183, 0.2179
Android (android.graphics.Color)	4285573375 (0xFF70A8FF)
YUV	161.1740, 46.2562, -43.1256
Hunter-Lab	62.1852, 2.3802, -51.8677

Details

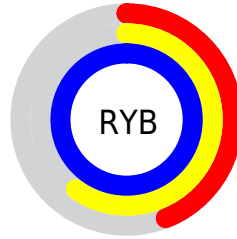
The Yxy color **38.6700, 0.2183, 0.2179** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.2955, 0.4249, 0.4163**, and the grayscale version is **35.5302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7660, 0.2617, 0.2928**, and **17.1035, 0.1934, 0.1892** is the 20% darker color. If you saturate the color by 10%, you get **31.8343, 0.2026, 0.1940**, and if you desaturate by 10%, it is **46.6617, 0.2353, 0.2413**.

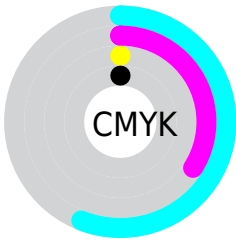
Distribution



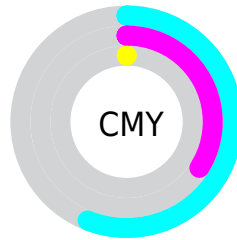
- Red (44%)
- Green (66%)
- Blue (100%)



- Red (44%)
- Yellow (60%)
- Blue (100%)



- Cyan (56%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6700, 0.2183, 0.2179 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 38.6700, 0.2183, 0.2179 by changing the saturation by 10% instead.

 38.6700, 0.2183,
0.2179


 38.6700, 0.2183,
0.2179


340.4854, 0.2647,
0.2715

 26.5031, 0.2073,
0.2055


 73.1339, 0.2348,
0.2367

 17.2004, 0.1937,
0.1902


 96.1997, 0.2411,
0.2440

 10.3775, 0.1764,
0.1711


 123.6673, 0.2465,
0.2502

 5.6499, 0.1542,
0.1469

155.9210, 0.2512,
0.2556

 2.6334, 0.1250,
0.1158

193.3453, 0.2552,
0.2603

 0.9435, 0.0873,
0.0769

236.3246, 0.2588,

 0.0000, 0.0001,

0.2645

0.0000

285.2431, 0.2619,
0.2682

■ 0.0000, 0.0000,
0.0000

■ 38.6700, 0.2183,
0.2179

■ 38.6700, 0.2183,
0.2179

■ 31.8343, 0.2026,
0.1940

■ 46.6617, 0.2353,
0.2413

■ 26.0916, 0.1888,
0.1704

■ 55.8705, 0.2528,
0.2635

■ 21.3677, 0.1776,
0.1480

■ 66.3504, 0.2702,
0.2841

■ 17.5758, 0.1694,
0.1277

■ 78.1521, 0.2872,
0.3029

■ 16.2984, 0.1668,
0.1203

■ 91.3236, 0.3034,
0.3197

100.0000, 0.3127,
0.3290

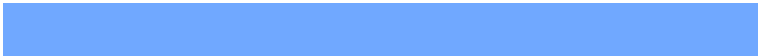
Harmonies

Analogous

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



38.6700, 0.1900, 0.2343



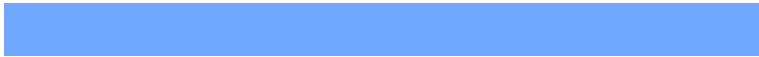
38.6700, 0.2183, 0.2179



38.6700, 0.2724, 0.2261

Triad

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



38.6700, 0.2183, 0.2179



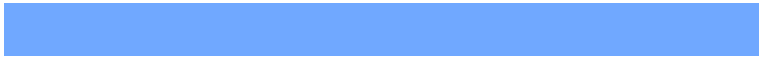
38.6700, 0.4548, 0.3527



38.6700, 0.2704, 0.4243

Complementary

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



38.6700, 0.2183, 0.2179



63.2955, 0.4249, 0.4163

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.



38.6700, 0.3398, 0.4624



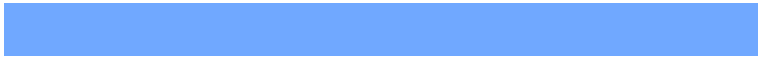
38.6700, 0.2183, 0.2179



38.6700, 0.4492, 0.4065

Square

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



38.6700, 0.2183, 0.2179



38.6700, 0.4153, 0.2998



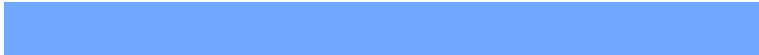
38.6700, 0.4055, 0.4501



38.6700, 0.2162, 0.3499

Rectangle

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



38.6700, 0.2183, 0.2179



38.6700, 0.3198, 0.2435



38.6700, 0.4055, 0.4501



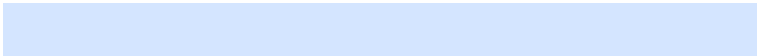
38.6700, 0.2927, 0.4426

Sweetspot

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



38.6693, 0.2183, 0.2179



76.9926, 0.2856, 0.3012



79.0354, 0.2665, 0.4003



15.9544, 0.2823, 0.2975



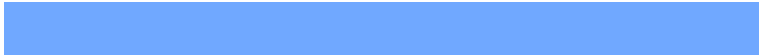
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



38.6693, 0.2183, 0.2179



31.2528, 0.2012, 0.1918



23.2760, 0.2122, 0.1520



18.5439, 0.2979, 0.3141



8.7857, 0.1676, 0.1234



1.0606, 0.1738, 0.1457

Inverse Universe

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



35.6822, 0.4134, 0.2727



29.8591, 0.4454, 0.2659



91.3391, 0.3835, 0.4679



18.1048, 0.3232, 0.3197



11.6149, 0.5419, 0.2759



1.1516, 0.5115, 0.2591

Previews

White Background



This preview shows how the Yxy color 38.6700, 0.2183, 0.2179 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 38.6700, 0.2183, 0.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

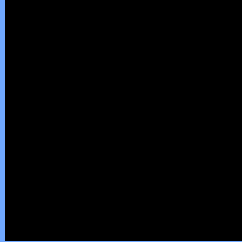
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

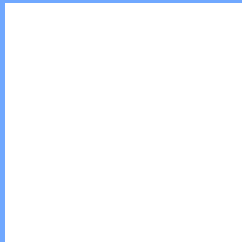
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6700, 0.2183, 0.2179

Background



This preview shows how black text looks on a background with the Yxy color 38.6700, 0.2183, 0.2179.



This preview shows how white text looks on a background with the Yxy color 38.6700, 0.2183, 0.2179.

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

38.6700, 0.2183, 0.2179

Protanopia

38.3937, 0.2316, 0.2187

Deuteranopia

38.6300, 0.2227, 0.2166



Tritanopia

38.7065, 0.2395, 0.3060

Trichromacy



Original Color

38.6700, 0.2183, 0.2179

Protanomaly

38.4506, 0.2265, 0.2189

Deuteranomaly

38.7090, 0.2209, 0.2174

Tritanomaly

38.6018, 0.2307, 0.2701

Monochromacy



Original Color

38.6700, 0.2183, 0.2179

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3307, 0.2700, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6700, 0.2183, 0.2179 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(112, 168, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 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(112, 168, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.6700, 0.2183, 0.2179 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(112, 168, 255) }
```

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

```
.border{ border-color:rgb(112, 168, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 168, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 168, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 168, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 168,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6700, 0.2183, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 255) }
```

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

```
.background{ background-color: rgb(112,  
168, 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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