

Converting Colors

$Y_{xy}(38.2532, 0.2331, 0.2125)$

Have a look what the booklet for
Yxy(38.2532, 0.2331, 0.2125)
contains.

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Color

Yxy(38.2013, 0.2332, 0.2123)

Conversions

Conversions Part 1

Format	Color
Hex	8FA0FF
RGB	143, 160, 255
RGB Percent	56%, 63%, 100%
CMY	0.4388, 0.3726, 0.0000
CMYK	0.44, 0.37, 0.00, 0.00
HSL	231°, 100%, 78%
HSV	231°, 44%, 100%
XYZ	41.9620, 38.2013, 99.7768
YIQ	165.7470, -40.6270, 25.9410

Conversions

Conversions Part 2

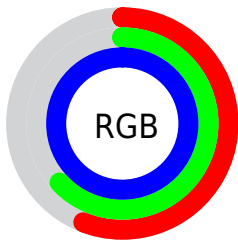
Format	Color
RYB	143, 158, 255
Decimal	9412863
CIELab	68.17, 17.93, -49.14
CIELCh	68, 52.311, 290.042
Yxy	38.2013, 0.2332, 0.2123
Android (android.graphics.Color)	4287602943 (0xFF8FA0FF)
YUV	165.7470, 44.0017, -19.9491
Hunter-Lab	61.8072, 13.0243, -52.4482

Details

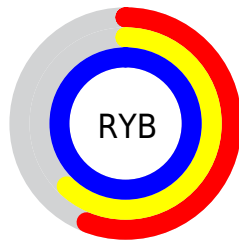
The Yxy color **38.2013, 0.2332, 0.2123** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.4685, 0.3849, 0.4233**, and the grayscale version is **37.8113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2384, 0.2780, 0.2856**, and **16.9929, 0.2116, 0.1844** is the 20% darker color. If you saturate the color by 10%, you get **29.3131, 0.2131, 0.1805**, and if you desaturate by 10%, it is **48.9159, 0.2533, 0.2431**.

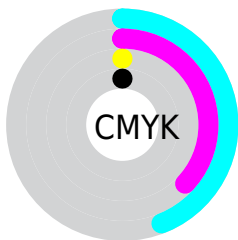
Distribution



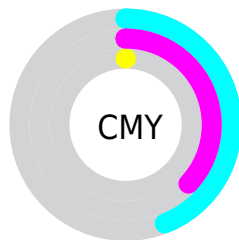
- Red (56%)
- Green (63%)
- Blue (100%)



- Red (56%)
- Yellow (62%)
- Blue (100%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2013, 0.2332, 0.2123 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 38.2013, 0.2332, 0.2123 by changing the saturation by 10% instead.


 38.2013, 0.2332,
0.2123


 38.2013, 0.2332,
0.2123


338.4827, 0.2731,
0.2677

 26.1390, 0.2235,
0.1997


 72.4166, 0.2475,
0.2316

 16.9276, 0.2114,
0.1843


 95.3383, 0.2530,
0.2391

 10.1829, 0.1959,
0.1651


122.6486, 0.2576,
0.2455

 5.5204, 0.1755,
0.1410

154.7319, 0.2616,
0.2511

 2.5557, 0.1481,
0.1104

191.9725, 0.2650,
0.2560

 0.9045, 0.1109,
0.0725

234.7550, 0.2680,

 0.0000, 0.0432,

0.2604

0.0000

283.4636, 0.2707,
0.2642

■ 0.0000, 0.0000,
0.0000

■ 38.2013, 0.2332,
0.2123

■ 38.2013, 0.2332,
0.2123

■ 29.3131, 0.2131,
0.1805

■ 48.9159, 0.2533,
0.2431

■ 22.1457, 0.1942,
0.1493

■ 61.5495, 0.2726,
0.2717

■ 16.5859, 0.1776,
0.1206

■ 76.1915, 0.2905,
0.2977

■ 12.5058, 0.1647,
0.0964

■ 92.9245, 0.3068,
0.3208

■ 9.7563, 0.1562,
0.0782

100.0000, 0.3127,
0.3290

■ 8.6355, 0.1529,
0.0704

Harmonies

Analogous

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



38.2013, 0.1920, 0.2179



38.2013, 0.2332, 0.2123



38.2013, 0.3003, 0.2307

Triad

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



38.2013, 0.2332, 0.2123



38.2013, 0.4674, 0.3770



38.2013, 0.2403, 0.4003

Complementary

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



38.2013, 0.2332, 0.2123



84.4685, 0.3849, 0.4233

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.



38.2013, 0.3092, 0.4623



38.2013, 0.2332, 0.2123



38.2013, 0.4420, 0.4319

Square

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



38.2013, 0.2332, 0.2123



38.2013, 0.4453, 0.3201



38.2013, 0.3830, 0.4692



38.2013, 0.1945, 0.3166

Rectangle

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



38.2013, 0.2332, 0.2123



38.2013, 0.3538, 0.2542



38.2013, 0.3830, 0.4692



38.2013, 0.2615, 0.4258

Sweetspot

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



38.2021, 0.2332, 0.2123



77.5816, 0.2920, 0.2998



83.4452, 0.2615, 0.3503



15.8673, 0.2882, 0.2944



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.



38.2021, 0.2332, 0.2123



30.0261, 0.2149, 0.1834



36.6470, 0.2562, 0.2006



17.8197, 0.2979, 0.3082



4.6436, 0.1534, 0.0722



0.5760, 0.1581, 0.0890

Inverse Universe

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



43.4727, 0.4116, 0.3116



36.5572, 0.4449, 0.3087



88.3656, 0.3524, 0.4478



18.0317, 0.3271, 0.3254



11.1967, 0.6196, 0.3187



1.1027, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 38.2013, 0.2332, 0.2123 looks on a white background.

Color Contrast Check

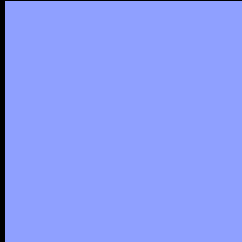
Large Text (above 18pt) WCAG AA × Fail

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 38.2013, 0.2332, 0.2123 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 38.2013, 0.2332, 0.2123

Background



This preview shows how black text looks on a background with the Yxy color 38.2013, 0.2332, 0.2123.



This preview shows how white text looks on a background with the Yxy color 38.2013, 0.2332, 0.2123.

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

38.2013, 0.2332, 0.2123

Protanopia

38.3199, 0.2274, 0.2143

Deuteranopia

38.2036, 0.2229, 0.2163



Tritanopia

38.2629, 0.2631, 0.3081

Trichromacy



Original Color

38.2013, 0.2332, 0.2123

Protanomaly

38.2949, 0.2294, 0.2136

Deuteranomaly

38.0960, 0.2267, 0.2149

Tritanomaly

38.0349, 0.2517, 0.2690

Monochromacy



Original Color

38.2013, 0.2332, 0.2123

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.8972, 0.2799, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2013, 0.2332, 0.2123 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(143, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 160, 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(143, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.2013, 0.2332, 0.2123 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(143, 160, 255) }
```

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

```
.border{ border-color:rgb(143, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2013, 0.2332, 0.2123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 160, 255) }
```

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

```
.background{ background-color: rgb(143,  
160, 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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