

Converting Colors

$Yxy(38.0013, 0.2432, 0.2346)$

Have a look what the booklet for
Yxy(38.0013, 0.2432, 0.2346)
contains.

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Color

Yxy(38.0013, 0.2432, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	8EA3EC
RGB	142, 163, 236
RGB Percent	56%, 64%, 93%
CMY	0.4429, 0.3608, 0.0746
CMYK	0.40, 0.31, 0.00, 0.07
HSL	227°, 71%, 74%
HSV	227°, 40%, 93%
XYZ	39.3944, 38.0013, 84.5877
YIQ	165.0430, -35.9490, 18.2510

Conversions

Conversions Part 2

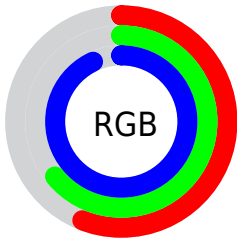
Format	Color
RYB	142, 159, 236
Decimal	9348076
CIELab	68.02, 10.63, -38.99
CIElCh	68, 40.415, 285.252
Yxy	38.0013, 0.2432, 0.2346
Android (android.graphics.Color)	4287538156 (0xFF8EA3EC)
YUV	165.0430, 34.9818, -20.2087
Hunter-Lab	61.6452, 6.1913, -38.2044

Details

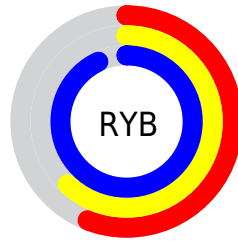
The Yxy color **38.0013, 0.2432, 0.2346** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.3904, 0.3805, 0.4080**, and the grayscale version is **37.4949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3686, 0.2764, 0.2887**, and **16.9099, 0.2235, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **30.0858, 0.2239, 0.2057**, and if you desaturate by 10%, it is **47.3052, 0.2623, 0.2619**.

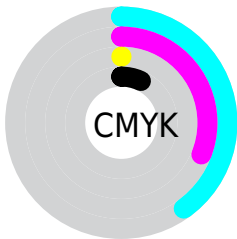
Distribution



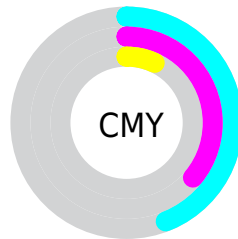
- Red (56%)
- Green (64%)
- Blue (93%)



- Red (56%)
- Yellow (62%)
- Blue (93%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (7%)



- Cyan (44%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0013, 0.2432, 0.2346 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 38.0013, 0.2432, 0.2346 by changing the saturation by 10% instead.

■ 38.0013, 0.2432,
0.2346

■ 38.0013, 0.2432,
0.2346

337.6255, 0.2783,
0.2807

■ 25.9837, 0.2345,
0.2236

■ 72.1101, 0.2559,
0.2510

■ 16.8114, 0.2235,
0.2100

■ 94.9701, 0.2607,
0.2573

■ 10.1001, 0.2092,
0.1925

122.2131, 0.2648,
0.2626

■ 5.4654, 0.1899,
0.1696

154.2234, 0.2683,
0.2672

■ 2.5228, 0.1629,
0.1390

191.3853, 0.2713,
0.2712

■ 0.8880, 0.1244,
0.0976

234.0834, 0.2739,

■ 0.0000, 0.0148,

0.2748

0.0000

282.7020, 0.2763,
0.2779

0.0000, 0.0000,
0.0000

38.0013, 0.2432,
0.2346

38.0013, 0.2432,
0.2346

30.0858, 0.2239,
0.2057

47.3052, 0.2623,
0.2619

23.4858, 0.2052,
0.1763

58.0569, 0.2805,
0.2869

18.1282, 0.1882,
0.1476

70.3173, 0.2975,
0.3094

13.9302, 0.1738,
0.1213

84.1427, 0.3130,
0.3294

10.7979, 0.1631,
0.0990

98.6194, 0.3239,
0.3471

■ 8.6032, 0.1561,
0.0818

■ 98.8341, 0.3238,
0.3474

■ 8.5669, 0.1560,
0.0815

Harmonies

Analogous

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



38.0013, 0.2126, 0.2438



38.0013, 0.2432, 0.2346



38.0013, 0.2943, 0.2463

Triad

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



38.0013, 0.2432, 0.2346



38.0013, 0.4330, 0.3631



38.0013, 0.2649, 0.3925

Complementary

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



38.0013, 0.2432, 0.2346



68.3904, 0.3805, 0.4080

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.



38.0013, 0.3216, 0.4335



38.0013, 0.2432, 0.2346



38.0013, 0.4206, 0.4069

Square

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



38.0013, 0.2432, 0.2346



38.0013, 0.4090, 0.3167



38.0013, 0.3789, 0.4359



38.0013, 0.2235, 0.3309

Rectangle

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



38.0013, 0.2432, 0.2346



38.0013, 0.3353, 0.2641



38.0013, 0.3789, 0.4359



38.0013, 0.2827, 0.4098

Sweetspot

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



38.0027, 0.2432, 0.2346



80.4094, 0.2938, 0.3046



70.5832, 0.2687, 0.3559



16.7896, 0.2916, 0.3017



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.



38.0027, 0.2432, 0.2346



37.2817, 0.2270, 0.2104



33.6404, 0.2579, 0.2128



15.0938, 0.2980, 0.3101



4.8819, 0.1566, 0.0839



0.5237, 0.1636, 0.1090

Inverse Universe

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



39.8317, 0.3902, 0.3056



40.4604, 0.4159, 0.3009



75.7620, 0.3537, 0.4343



15.1091, 0.3258, 0.3238



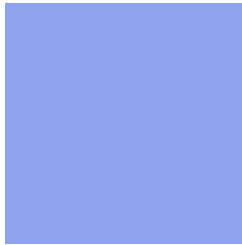
9.9856, 0.6008, 0.3083



0.7983, 0.5625, 0.2872

Previews

White Background



This preview shows how the Yxy color 38.0013, 0.2432, 0.2346 looks on a white background.

Color Contrast Check

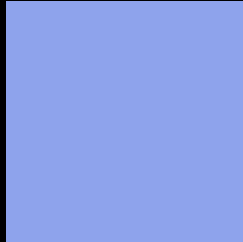
Large Text (above 18pt) WCAG AA × Fail

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 38.0013, 0.2432, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

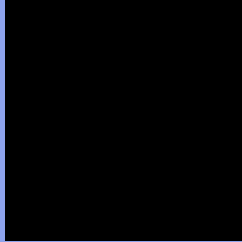
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0013, 0.2432, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 38.0013, 0.2432, 0.2346.



This preview shows how white text looks on a background with the Yxy color 38.0013, 0.2432, 0.2346.

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

38.0013, 0.2432, 0.2346

Protanopia

38.0013, 0.2432, 0.2346

Deuteranopia

38.0960, 0.2414, 0.2354



Tritanopia

38.1781, 0.2678, 0.3097

Trichromacy



Original Color

38.0013, 0.2432, 0.2346

Protanomaly

38.0013, 0.2432, 0.2346

Deuteranomaly

38.1825, 0.2421, 0.2356

Tritanomaly

37.8039, 0.2581, 0.2794

Monochromacy



Original Color

38.0013, 0.2432, 0.2346

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.4806, 0.2843, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0013, 0.2432, 0.2346 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(142, 163, 236)` looks like.

```
.text, #text, p{  
    color:rgb(142, 163, 236)  
}
```

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(142, 163, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 163, 236) }
```

Border

The CSS property to change the border of an element to Yxy 38.0013, 0.2432, 0.2346 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(142, 163, 236) }
```

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

```
.border{ border-color:rgb(142, 163, 236) }
```

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

Here you see how a box with a 4 pixel rgb(142, 163, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 163, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 163, 236);  
box-shadow:4px 4px 4px 4px rgb(142, 163,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0013, 0.2432, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 163, 236) }
```

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

```
.background{ background-color: rgb(142,  
163, 236) }
```

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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