

Converting Colors

$Y_{xy}(32.9372, 0.2351, 0.2158)$

Have a look what the booklet for
Yxy(32.9372, 0.2351, 0.2158)
contains.

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Color

Yxy(32.9372, 0.2351, 0.2158)

Conversions

Conversions Part 1

Format	Color
Hex	8696EC
RGB	134, 150, 236
RGB Percent	53%, 59%, 93%
CMY	0.4743, 0.4118, 0.0746
CMYK	0.43, 0.36, 0.00, 0.07
HSL	231°, 73%, 73%
HSV	231°, 43%, 93%
XYZ	35.8829, 32.9372, 83.8082
YIQ	155.0200, -37.1420, 23.3540

Conversions

Conversions Part 2

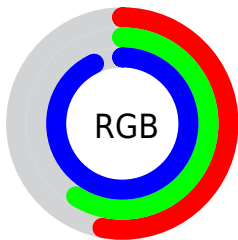
Format	Color
RYB	134, 148, 236
Decimal	8820460
CIELab	64.11, 16.07, -45.17
CIELCh	64, 47.942, 289.583
Yxy	32.9372, 0.2351, 0.2158
Android (android.graphics.Color)	4287010540 (0xFF8696EC)
YUV	155.0200, 39.9231, -18.4345
Hunter-Lab	57.3909, 11.1706, -46.4078

Details

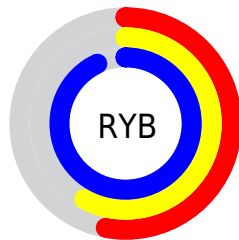
The Yxy color **32.9372, 0.2351, 0.2158** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.7674, 0.3837, 0.4210**, and the grayscale version is **32.6252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4821, 0.2706, 0.2722**, and **14.0293, 0.2125, 0.1870** is the 20% darker color. If you saturate the color by 10%, you get **25.3867, 0.2151, 0.1844**, and if you desaturate by 10%, it is **42.0023, 0.2550, 0.2461**.

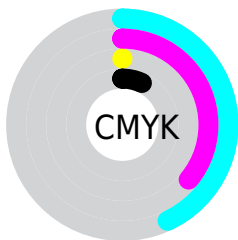
Distribution



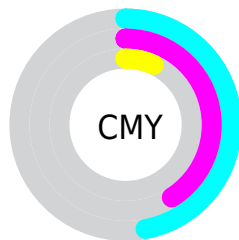
- Red (53%)
- Green (59%)
- Blue (93%)



- Red (53%)
- Yellow (58%)
- Blue (93%)



- Cyan (43%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)





- Cyan (47%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9372, 0.2351, 0.2158 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 32.9372, 0.2351, 0.2158 by changing the saturation by 10% instead.


 32.9372, 0.2351,
0.2158


 32.9372, 0.2351,
0.2158


315.3667, 0.2751,
0.2712


 22.0783, 0.2251,
0.2027


 64.2775, 0.2497,
0.2354

 13.9145, 0.2123,
0.1865


 85.5277, 0.2552,
0.2430

 8.0612, 0.1957,
0.1660


 111.0104, 0.2598,
0.2494

 4.1341, 0.1733,
0.1397

141.1102, 0.2637,
0.2549

 1.7489, 0.1425,
0.1056

176.2113, 0.2672,
0.2598

 0.4550, 0.1005,
0.0554

216.6981, 0.2701,

 0.0000, 0.0000,

0.2640

0.0000

262.9551, 0.2727,
0.2678

■ 32.9372, 0.2351,
0.2158

■ 32.9372, 0.2351,
0.2158

■ 25.3867, 0.2151,
0.1844

■ 42.0023, 0.2550,
0.2461

■ 19.2635, 0.1961,
0.1533

■ 52.6556, 0.2741,
0.2742

■ 14.4770, 0.1794,
0.1244

■ 64.9699, 0.2918,
0.2997

■ 10.9238, 0.1661,
0.0996

■ 79.0128, 0.3079,
0.3224

■ 8.4848, 0.1571,
0.0807

■ 94.8478, 0.3224,
0.3422

■ 7.3706, 0.1532,
0.0715

■ 98.8350, 0.3238,
0.3474

Harmonies

Analogous

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



32.9372, 0.1953, 0.2218



32.9372, 0.2351, 0.2158



32.9372, 0.2997, 0.2333

Triad

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



32.9372, 0.2351, 0.2158



32.9372, 0.4620, 0.3753



32.9372, 0.2439, 0.3987

Complementary

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



32.9372, 0.2351, 0.2158



70.7674, 0.3837, 0.4210

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.



32.9372, 0.3109, 0.4573



32.9372, 0.2351, 0.2158



32.9372, 0.4385, 0.4283

Square

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



32.9372, 0.2351, 0.2158



32.9372, 0.4397, 0.3199



32.9372, 0.3822, 0.4639



32.9372, 0.1988, 0.3186

Rectangle

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



32.9372, 0.2351, 0.2158



32.9372, 0.3512, 0.2560



32.9372, 0.3822, 0.4639



32.9372, 0.2645, 0.4229

Sweetspot

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



32.9384, 0.2351, 0.2158



77.6808, 0.2920, 0.3000



70.1679, 0.2623, 0.3498



15.8915, 0.2882, 0.2946



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.



32.9384, 0.2351, 0.2158



31.0685, 0.2170, 0.1874



31.4516, 0.2576, 0.2034



14.9290, 0.2980, 0.3085



4.1828, 0.1537, 0.0733



0.4438, 0.1597, 0.0950

Inverse Universe

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



37.0992, 0.4080, 0.3113



37.2644, 0.4402, 0.3082



74.2609, 0.3518, 0.4454



15.0924, 0.3268, 0.3253



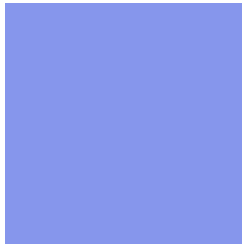
9.9151, 0.6178, 0.3177



0.7902, 0.5834, 0.2988

Previews

White Background



This preview shows how the Yxy color 32.9372, 0.2351, 0.2158 looks on a white background.

Color Contrast Check

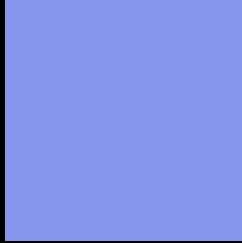
Large Text (above 18pt) WCAG AA × Fail

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 32.9372, 0.2351, 0.2158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

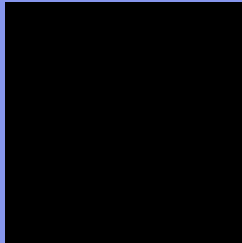
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9372, 0.2351, 0.2158

Background



This preview shows how black text looks on a background with the Yxy color 32.9372, 0.2351, 0.2158.



This preview shows how white text looks on a background with the Yxy color 32.9372, 0.2351, 0.2158.

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

32.9372, 0.2351, 0.2158

Protanopia

32.9146, 0.2282, 0.2147

Deuteranopia

32.8913, 0.2260, 0.2194



Tritanopia

32.7874, 0.2646, 0.3084

Trichromacy



Original Color

32.9372, 0.2351, 0.2158

Protanomaly

32.8368, 0.2309, 0.2151

Deuteranomaly

32.9916, 0.2293, 0.2189

Tritanomaly

32.7700, 0.2532, 0.2710

Monochromacy



Original Color

32.9372, 0.2351, 0.2158

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.4462, 0.2803, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9372, 0.2351, 0.2158 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(134, 150, 236)` looks like.

```
.text, #text, p{  
    color:rgb(134, 150, 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(134, 150, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 150, 236) }
```

Border

The CSS property to change the border of an element to Yxy 32.9372, 0.2351, 0.2158 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(134, 150, 236) }
```

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

```
.border{ border-color:rgb(134, 150, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 150, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 150, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 150, 236);  
box-shadow:4px 4px 4px 4px rgb(134, 150,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9372, 0.2351, 0.2158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 150, 236) }
```

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

```
.background{ background-color: rgb(134,  
150, 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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