

Converting Colors

$Yxy(33.4187, 0.2341, 0.2163)$

Have a look what the booklet for
Yxy(33.4187, 0.2341, 0.2163)
contains.

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Color

Yxy(33.2342, 0.2341, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	8597ED
RGB	133, 151, 237
RGB Percent	52%, 59%, 93%
CMY	0.4785, 0.4078, 0.0707
CMYK	0.44, 0.36, 0.00, 0.07
HSL	230°, 74%, 73%
HSV	230°, 44%, 93%
XYZ	36.0191, 33.2342, 84.6087
YIQ	155.4220, -38.3340, 22.9300

Conversions

Conversions Part 2

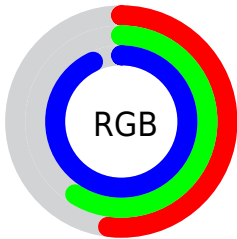
Format	Color
R _Y B	133, 148, 237
Decimal	8755181
CIE Lab	64.35, 15.49, -45.34
CIE LCh	64, 47.911, 288.864
Yxy	33.2342, 0.2341, 0.2160
Android (android.graphics.Color)	4286945261 (0xFF8597ED)
YUV	155.4220, 40.2180, -19.6641
Hunter-Lab	57.6491, 10.6407, -46.6626

Details

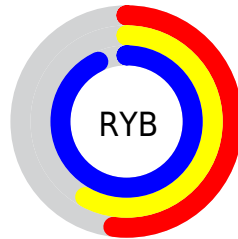
The Yxy color **33.2342, 0.2341, 0.2160** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **70.3214, 0.3857, 0.4207**, and the grayscale version is **32.8058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8298, 0.2701, 0.2733**, and **14.0283, 0.2112, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **25.7291, 0.2143, 0.1851**, and if you desaturate by 10%, it is **42.2241, 0.2539, 0.2458**.

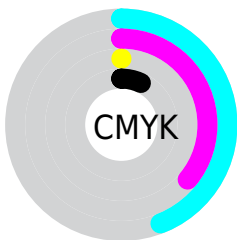
Distribution



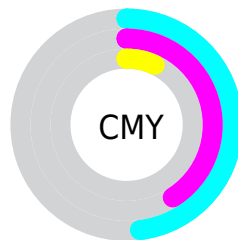
- Red (52%)
- Green (59%)
- Blue (93%)



- Red (52%)
- Yellow (58%)
- Blue (93%)



- Cyan (44%)
- Magenta (36%)
- Yellow (0%)
- Black (7%)



- Cyan (48%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2342, 0.2341, 0.2160 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 33.2342, 0.2341, 0.2160 by changing the saturation by 10% instead.

■ 33.2342, 0.2341,
0.2160

■ 33.2342, 0.2341,
0.2160

■ 316.7037, 0.2745,
0.2712

■ 22.3059, 0.2240,
0.2030

■ 64.7410, 0.2488,
0.2356

■ 14.0819, 0.2112,
0.1868

■ 86.0883, 0.2544,
0.2431

■ 8.1776, 0.1945,
0.1664

■ 111.6774, 0.2590,
0.2495

■ 4.2088, 0.1721,
0.1402

■ 141.8927, 0.2630,
0.2550

■ 1.7910, 0.1413,
0.1063

■ 177.1186, 0.2665,
0.2599

■ 0.4816, 0.0995,
0.0574

■ 217.7395, 0.2695,

■ 0.0000, 0.0000,

0.2641

0.0000

264.1397, 0.2721,
0.2679

■ 33.2342, 0.2341,
0.2160

■ 33.2342, 0.2341,
0.2160

■ 25.7291, 0.2143,
0.1851

■ 42.2241, 0.2539,
0.2458

■ 19.6241, 0.1956,
0.1545

■ 52.7704, 0.2729,
0.2735

■ 14.8308, 0.1792,
0.1259

■ 64.9439, 0.2906,
0.2987

■ 11.2490, 0.1662,
0.1014

■ 78.8103, 0.3069,
0.3211

■ 8.7627, 0.1574,
0.0823

■ 94.4315, 0.3215,
0.3407

■ 7.7040, 0.1538,
0.0737

■ 98.8923, 0.3232,
0.3464

Harmonies

Analogous

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



33.2342, 0.1951, 0.2226



33.2342, 0.2341, 0.2160



33.2342, 0.2980, 0.2329

Triad

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



33.2342, 0.2341, 0.2160



33.2342, 0.4615, 0.3739



33.2342, 0.2456, 0.4002

Complementary

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



33.2342, 0.2341, 0.2160



70.3214, 0.3857, 0.4207

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.



33.2342, 0.3127, 0.4576



33.2342, 0.2341, 0.2160



33.2342, 0.4391, 0.4269

Square

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



33.2342, 0.2341, 0.2160



33.2342, 0.4381, 0.3187



33.2342, 0.3836, 0.4629



33.2342, 0.2000, 0.3205

Rectangle

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



33.2342, 0.2341, 0.2160



33.2342, 0.3492, 0.2553



33.2342, 0.3836, 0.4629



33.2342, 0.2663, 0.4241

Sweetspot

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



33.2354, 0.2341, 0.2160



77.9914, 0.2920, 0.3006



70.5896, 0.2625, 0.3524



15.9672, 0.2883, 0.2954



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.



33.2354, 0.2341, 0.2160



30.9319, 0.2156, 0.1872



30.9813, 0.2551, 0.2007



14.9710, 0.2980, 0.3089



4.3387, 0.1544, 0.0757



0.4637, 0.1607, 0.0986

Inverse Universe

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



37.0045, 0.4083, 0.3090



36.6486, 0.4412, 0.3055



75.0831, 0.3536, 0.4468



15.0967, 0.3266, 0.3249



9.9308, 0.6139, 0.3155



0.7922, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 33.2342, 0.2341, 0.2160 looks on a white background.

Color Contrast Check

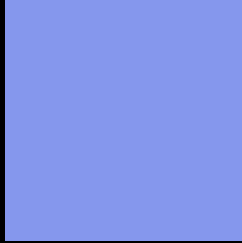
Large Text (above 18pt) WCAG AA × Fail

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 33.2342, 0.2341, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

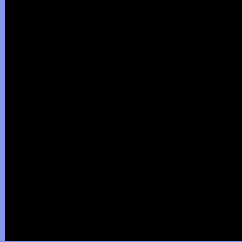
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2342, 0.2341, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 33.2342, 0.2341, 0.2160.



This preview shows how white text looks on a background with the Yxy color 33.2342, 0.2341, 0.2160.

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

33.2342, 0.2341, 0.2160

Protanopia

33.3155, 0.2290, 0.2163

Deuteranopia

33.2807, 0.2258, 0.2197



Tritanopia

33.1506, 0.2626, 0.3069

Trichromacy



Original Color

33.2342, 0.2341, 0.2160

Protanomaly

33.2187, 0.2306, 0.2154

Deuteranomaly

33.3783, 0.2291, 0.2193

Tritanomaly

33.1307, 0.2514, 0.2698

Monochromacy



Original Color

33.2342, 0.2341, 0.2160

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8170, 0.2796, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2342, 0.2341, 0.2160 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(133, 151, 237)` looks like.

```
.text, #text, p{  
    color:rgb(133, 151, 237)  
}
```

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(133, 151, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 151, 237) }
```

Border

The CSS property to change the border of an element to Yxy 33.2342, 0.2341, 0.2160 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(133, 151, 237) }
```

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

```
.border{ border-color:rgb(133, 151, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 151, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 151, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 151, 237);  
box-shadow:4px 4px 4px 4px rgb(133, 151,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2342, 0.2341, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 151, 237) }
```

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

```
.background{ background-color: rgb(133,  
151, 237) }
```

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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