

Converting Colors

$Yxy(33.3815, 0.2452, 0.2362)$

Have a look what the booklet for
Yxy(33.3815, 0.2452, 0.2362)
contains.

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Color

Yxy(33.2372, 0.2457, 0.2360)

Conversions

Conversions Part 1

Format	Color
Hex	8899DD
RGB	136, 153, 221
RGB Percent	53%, 60%, 87%
CMY	0.4664, 0.4001, 0.1333
CMYK	0.38, 0.31, 0.00, 0.13
HSL	228°, 56%, 70%
HSV	228°, 38%, 87%
XYZ	34.6033, 33.2372, 72.9951
YIQ	155.6690, -31.9600, 17.5440

Conversions

Conversions Part 2

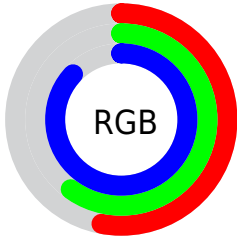
Format	Color
RYB	136, 150, 221
Decimal	8952285
CIELab	64.35, 10.68, -36.50
CIELCh	64, 38.032, 286.303
Yxy	33.2372, 0.2457, 0.2360
Android (android.graphics.Color)	4287142365 (0xFF8899DD)
YUV	155.6690, 32.2082, -17.2497
Hunter-Lab	57.6517, 6.2475, -34.7132

Details

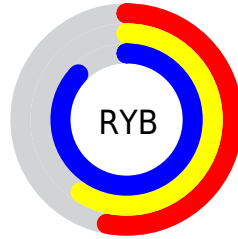
The Yxy color **33.2372, 0.2457, 0.2360** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.3751, 0.3768, 0.4072**, and the grayscale version is **32.9609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0521, 0.2716, 0.2757**, and **14.0498, 0.2251, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **26.2044, 0.2262, 0.2066**, and if you desaturate by 10%, it is **41.5133, 0.2648, 0.2637**.

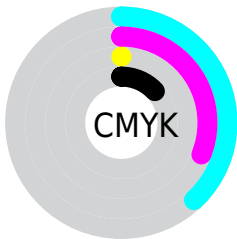
Distribution



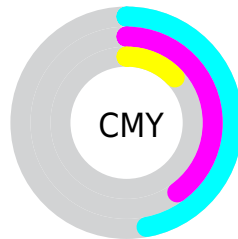
- Red (53%)
- Green (60%)
- Blue (87%)



- Red (53%)
- Yellow (59%)
- Blue (87%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2372, 0.2457, 0.2360 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 33.2372, 0.2457, 0.2360 by changing the saturation by 10% instead.

■ 33.2372, 0.2457,
0.2360

■ 33.2372, 0.2457,
0.2360

■ 316.7172, 0.2804,
0.2825

■ 22.3082, 0.2369,
0.2246

■ 64.7457, 0.2585,
0.2528

■ 14.0835, 0.2255,
0.2103

■ 86.0940, 0.2632,
0.2591

■ 8.1788, 0.2104,
0.1916

■ 111.6841, 0.2672,
0.2645

■ 4.2096, 0.1895,
0.1668

■ 141.9006, 0.2706,
0.2691

■ 1.7915, 0.1597,
0.1328

■ 177.1278, 0.2736,
0.2731

■ 0.4819, 0.1160,
0.0778

■ 217.7500, 0.2761,

■ 0.0000, 0.0000,

0.2766

0.0000

264.1517, 0.2784,
0.2797

■ 33.2372, 0.2457,
0.2360

■ 33.2372, 0.2457,
0.2360

■ 26.2044, 0.2262,
0.2066

■ 41.5133, 0.2648,
0.2637

■ 20.3497, 0.2071,
0.1765

■ 51.0858, 0.2829,
0.2891

■ 15.6078, 0.1896,
0.1471

■ 62.0094, 0.2997,
0.3119

■ 11.9048, 0.1746,
0.1203

■ 74.3343, 0.3150,
0.3320

■ 9.1575, 0.1633,
0.0976

■ 88.1083, 0.3288,
0.3496

■ 7.2598, 0.1560,
0.0803

■ 98.0003, 0.3328,
0.3621

■ 7.0231, 0.1550,
0.0780

Harmonies

Analogous

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



33.2372, 0.2147, 0.2444



33.2372, 0.2457, 0.2360



33.2372, 0.2967, 0.2482

Triad

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



33.2372, 0.2457, 0.2360



33.2372, 0.4313, 0.3644



33.2372, 0.2639, 0.3895

Complementary

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



33.2372, 0.2457, 0.2360



60.3751, 0.3768, 0.4072

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.



33.2372, 0.3195, 0.4309



33.2372, 0.2457, 0.2360



33.2372, 0.4180, 0.4072

Square

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



33.2372, 0.2457, 0.2360



33.2372, 0.4089, 0.3185



33.2372, 0.3762, 0.4347



33.2372, 0.2238, 0.3288

Rectangle

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



33.2372, 0.2457, 0.2360



33.2372, 0.3372, 0.2661



33.2372, 0.3762, 0.4347



33.2372, 0.2813, 0.4068

Sweetspot

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



33.2384, 0.2457, 0.2360



80.0009, 0.2937, 0.3038



61.3113, 0.2685, 0.3509



16.6941, 0.2915, 0.3008



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.



33.2384, 0.2457, 0.2360



38.1100, 0.2302, 0.2127



30.4826, 0.2629, 0.2185



13.0351, 0.2981, 0.3097



4.2077, 0.1556, 0.0802



0.3949, 0.1638, 0.1096

Inverse Universe

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



35.2992, 0.3883, 0.3089



41.9265, 0.4125, 0.3049



65.1619, 0.3501, 0.4309



13.0937, 0.3260, 0.3244



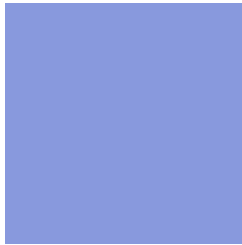
9.0485, 0.6067, 0.3116



0.5986, 0.5617, 0.2868

Previews

White Background



This preview shows how the Yxy color 33.2372, 0.2457, 0.2360 looks on a white background.

Color Contrast Check

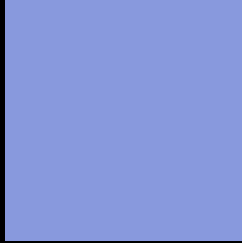
Large Text (above 18pt) WCAG AA × Fail

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 33.2372, 0.2457, 0.2360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

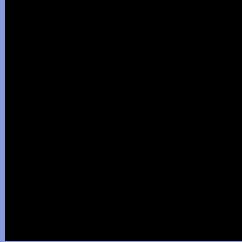
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2372, 0.2457, 0.2360

Background



This preview shows how black text looks on a background with the Yxy color 33.2372, 0.2457, 0.2360.



This preview shows how white text looks on a background with the Yxy color 33.2372, 0.2457, 0.2360.

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

33.2372, 0.2457, 0.2360

Protanopia

33.0713, 0.2442, 0.2357

Deuteranopia

33.2372, 0.2431, 0.2368



Tritanopia

33.2958, 0.2699, 0.3087

Trichromacy



Original Color

33.2372, 0.2457, 0.2360

Protanomaly

33.1538, 0.2449, 0.2358

Deuteranomaly

33.3182, 0.2438, 0.2369

Tritanomaly

33.2692, 0.2604, 0.2798

Monochromacy



Original Color

33.2372, 0.2457, 0.2360

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1275, 0.2854, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2372, 0.2457, 0.2360 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(136, 153, 221)` looks like.

```
.text, #text, p{  
    color:rgb(136, 153, 221)  
}
```

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(136, 153, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 153, 221) }
```

Border

The CSS property to change the border of an element to Yxy 33.2372, 0.2457, 0.2360 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(136, 153, 221) }
```

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

```
.border{ border-color:rgb(136, 153, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 153, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 153, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 153, 221);  
box-shadow:4px 4px 4px 4px rgb(136, 153,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2372, 0.2457, 0.2360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 153, 221) }
```

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

```
.background{ background-color: rgb(136,  
153, 221) }
```

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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