

Converting Colors

$Y_{xy}(33.8277, 0.2547, 0.2198)$

Have a look what the booklet for
Yxy(33.8277, 0.2547, 0.2198)
contains.

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Color

Yxy(33.7549, 0.2547, 0.2196)

Conversions

Conversions Part 1

Format	Color
Hex	9F92E8
RGB	159, 146, 232
RGB Percent	62%, 57%, 91%
CMY	0.3763, 0.4275, 0.0901
CMYK	0.31, 0.37, 0.00, 0.09
HSL	249°, 65%, 74%
HSV	249°, 37%, 91%
XYZ	39.1502, 33.7549, 80.8058
YIQ	159.6910, -19.8580, 29.5020

Conversions

Conversions Part 2

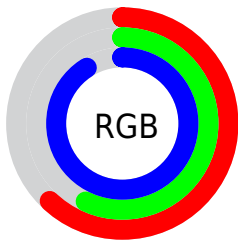
Format	Color
R _Y B	159, 146, 232
Decimal	10457832
CIE Lab	64.77, 23.89, -41.82
CIE LCh	65, 48.161, 299.733
Yxy	33.7549, 0.2547, 0.2196
Android (android.graphics.Color)	4288647912 (0xFF9F92E8)
YUV	159.6910, 35.6483, -0.6060
Hunter-Lab	58.0990, 18.6095, -41.7930

Details

The Yxy color **33.7549, 0.2547, 0.2196** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.8493, 0.3585, 0.4243**, and the grayscale version is **34.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1275, 0.2871, 0.2705**, and **14.3223, 0.2368, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **25.4602, 0.2354, 0.1854**, and if you desaturate by 10%, it is **43.8239, 0.2728, 0.2526**.

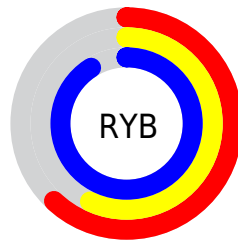
Distribution



Red (62%)

Green (57%)

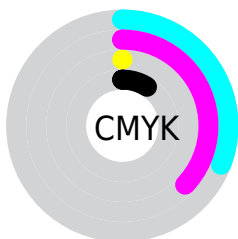
Blue (91%)



Red (62%)

Yellow (57%)

Blue (91%)

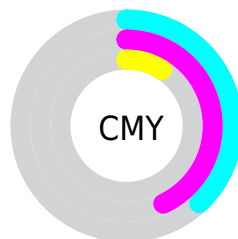


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (9%)



Cyan (38%)


Magenta (43%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7549, 0.2547, 0.2196 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 33.7549, 0.2547, 0.2196 by changing the saturation by 10% instead.


 33.7549, 0.2547,
0.2196


 33.7549, 0.2547,
0.2196


319.0378, 0.2852,
0.2726

 22.7054, 0.2468,
0.2071


 65.5523, 0.2660,
0.2383

 14.3761, 0.2367,
0.1917


 87.0690, 0.2702,
0.2455

 8.3827, 0.2232,
0.1721

112.8436, 0.2737,
0.2517

 4.3408, 0.2045,
0.1468

143.2604, 0.2767,
0.2570

 1.8660, 0.1777,
0.1138

178.7038, 0.2793,
0.2617

 0.5278, 0.1386,
0.0659

219.5582, 0.2815,

 0.0000, 0.0107,

0.2658

0.0000

266.2081, 0.2835,
0.2694

0.0000, 0.0000,
0.0000

33.7549, 0.2547,
0.2196

33.7549, 0.2547,
0.2196

25.4602, 0.2354,
0.1854

43.8239, 0.2728,
0.2526

18.8324, 0.2157,
0.1516

55.7583, 0.2892,
0.2834

13.7584, 0.1968,
0.1207

69.6477, 0.3036,
0.3112

10.1095, 0.1800,
0.0948

85.5746, 0.3162,
0.3359

7.7355, 0.1666,
0.0761

98.6070, 0.3262,
0.3512

■ 6.4449, 0.1575,
0.0652

■ 6.1882, 0.1555,
0.0630

Harmonies

Analogous

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



33.7549, 0.2061, 0.2173



33.7549, 0.2547, 0.2196



33.7549, 0.3255, 0.2441

Triad

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



33.7549, 0.2547, 0.2196



33.7549, 0.4582, 0.3939



33.7549, 0.2259, 0.3715

Complementary

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



33.7549, 0.2547, 0.2196



74.8493, 0.3585, 0.4243

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.



33.7549, 0.2869, 0.4421



33.7549, 0.2547, 0.2196



33.7549, 0.4219, 0.4430

Square

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



33.7549, 0.2547, 0.2196



33.7549, 0.4521, 0.3384



33.7549, 0.3587, 0.4671



33.7549, 0.1905, 0.2943

Rectangle

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



33.7549, 0.2547, 0.2196



33.7549, 0.3771, 0.2705



33.7549, 0.3587, 0.4671



33.7549, 0.2439, 0.3980

Sweetspot

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



33.7562, 0.2547, 0.2196



79.1544, 0.2981, 0.3005



62.6572, 0.2587, 0.3130



16.4379, 0.2961, 0.2967



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.



33.7562, 0.2547, 0.2196



34.2612, 0.2410, 0.1952



38.9239, 0.2903, 0.2298



13.9916, 0.3004, 0.3049



3.4688, 0.1564, 0.0635



0.2890, 0.1680, 0.0699

Inverse Universe

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



42.8239, 0.3286, 0.2498



47.0161, 0.3324, 0.2352



69.0374, 0.3273, 0.4348



14.5756, 0.3161, 0.3093



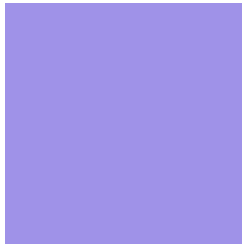
11.7718, 0.3633, 0.1775



0.8801, 0.3561, 0.1736

Previews

White Background



This preview shows how the Yxy color 33.7549, 0.2547, 0.2196 looks on a white background.

Color Contrast Check

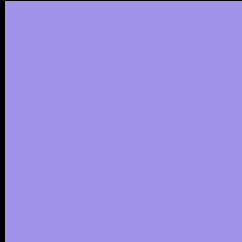
Large Text (above 18pt) WCAG AA × Fail

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 33.7549, 0.2547, 0.2196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

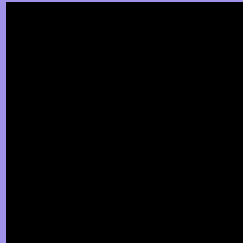
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7549, 0.2547, 0.2196

Background



This preview shows how black text looks on a background with the Yxy color 33.7549, 0.2547, 0.2196.



This preview shows how white text looks on a background with the Yxy color 33.7549, 0.2547, 0.2196.

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

33.7549, 0.2547, 0.2196

Protanopia

33.8552, 0.2300, 0.2170

Deuteranopia

33.9257, 0.2345, 0.2288



Tritanopia

33.8475, 0.2903, 0.3110

Trichromacy



Original Color

33.7549, 0.2547, 0.2196

Protanomaly

33.6783, 0.2386, 0.2181

Deuteranomaly

33.6293, 0.2410, 0.2243

Tritanomaly

33.5408, 0.2768, 0.2735

Monochromacy



Original Color

33.7549, 0.2547, 0.2196

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.4614, 0.2904, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7549, 0.2547, 0.2196 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(159, 146, 232)` looks like.

```
.text, #text, p{  
    color:rgb(159, 146, 232)  
}
```

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(159, 146, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 146, 232) }
```

Border

The CSS property to change the border of an element to Yxy 33.7549, 0.2547, 0.2196 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(159, 146, 232) }
```

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

```
.border{ border-color:rgb(159, 146, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 146, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 146, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 146, 232);  
box-shadow:4px 4px 4px 4px rgb(159, 146,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7549, 0.2547, 0.2196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 146, 232) }
```

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

```
.background{ background-color: rgb(159,  
146, 232) }
```

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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