

Converting Colors

$Y_{xy}(33.4645, 0.2709, 0.2512)$

Have a look what the booklet for
Yxy(33.4645, 0.2709, 0.2512)
contains.

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Color

Yxy(33.4858, 0.2709, 0.2515)

Conversions

Conversions Part 1

Format	Color
Hex	9D96CF
RGB	157, 150, 207
RGB Percent	62%, 59%, 81%
CMY	0.3844, 0.4117, 0.1883
CMYK	0.24, 0.28, 0.00, 0.19
HSL	247°, 37%, 70%
HSV	247°, 28%, 81%
XYZ	36.0688, 33.4858, 63.5897
YIQ	158.5910, -14.1250, 19.2110

Conversions

Conversions Part 2

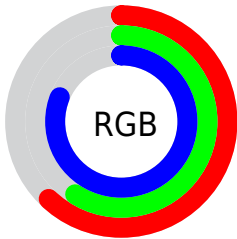
Format	Color
R_{YB}	157, 150, 207
Decimal	10327759
CIE _{Lab}	64.55, 14.79, -28.29
CIE _{LCh}	65, 31.922, 297.592
Yxy	33.4858, 0.2709, 0.2515
Android (android.graphics.Color)	4288517839 (0xFF9D96CF)
YUV	158.5910, 23.8656, -1.3953
Hunter-Lab	57.8669, 9.9930, -24.6467

Details

The Yxy color **33.4858, 0.2709, 0.2515** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.1093, 0.3482, 0.3986**, and the grayscale version is **34.3680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4028, 0.2846, 0.2744**, and **14.1337, 0.2572, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **25.7601, 0.2524, 0.2184**, and if you desaturate by 10%, it is **42.6528, 0.2878, 0.2823**.

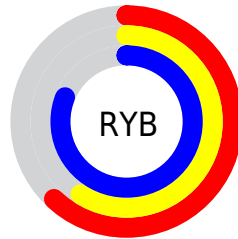
Distribution



Red (62%)

Green (59%)

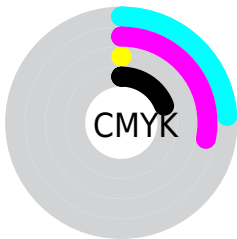
Blue (81%)



Red (62%)

Yellow (59%)

Blue (81%)

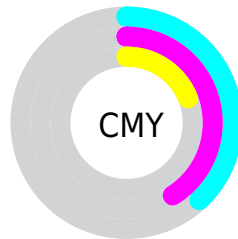


Cyan (24%)

Magenta (28%)

Yellow (0%)

Black (19%)



Cyan (38%)

Magenta (41%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4858, 0.2709, 0.2515 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 33.4858, 0.2709, 0.2515 by changing the saturation by 10% instead.

■ 33.4858, 0.2709,
0.2515

■ 33.4858, 0.2709,
0.2515

317.8331, 0.2930,
0.2904

■ 22.4989, 0.2650,
0.2418

■ 65.1332, 0.2792,
0.2656

■ 14.2239, 0.2574,
0.2295

■ 86.5625, 0.2822,
0.2709

■ 8.2766, 0.2469,
0.2133

112.2414, 0.2848,
0.2754

■ 4.2724, 0.2319,
0.1912

142.5542, 0.2869,
0.2793

■ 1.8271, 0.2089,
0.1597

177.8854, 0.2888,
0.2826

■ 0.5040, 0.1726,
0.1036

218.6194, 0.2904,

■ 0.0000, 0.0000,

0.2856

0.0000

265.1405, 0.2918,
0.2881

■ 33.4858, 0.2709,
0.2515

■ 33.4858, 0.2709,
0.2515

■ 25.7601, 0.2524,
0.2184

■ 42.6528, 0.2878,
0.2823

■ 19.3984, 0.2327,
0.1840

■ 53.3253, 0.3027,
0.3101

■ 14.3221, 0.2127,
0.1502

■ 65.5682, 0.3158,
0.3348

■ 10.4430, 0.1938,
0.1193

■ 79.4418, 0.3270,
0.3565

■ 7.6617, 0.1772,
0.0935

■ 95.0029, 0.3367,
0.3754

■ 5.8626, 0.1643,
0.0750

■ 97.2847, 0.3412,
0.3761

■ 4.8885, 0.1557,
0.0643

■ 4.7151, 0.1541,
0.0623

Harmonies

Analogous

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



33.4858, 0.2370, 0.2523



33.4858, 0.2709, 0.2515



33.4858, 0.3187, 0.2679

Triad

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



33.4858, 0.2709, 0.2515



33.4858, 0.4115, 0.3748



33.4858, 0.2570, 0.3611

Complementary

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



33.4858, 0.2709, 0.2515



59.1093, 0.3482, 0.3986

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.



33.4858, 0.3008, 0.4033



33.4858, 0.2709, 0.2515



33.4858, 0.3910, 0.4066

Square

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



33.4858, 0.2709, 0.2515



33.4858, 0.4036, 0.3357



33.4858, 0.3499, 0.4195



33.4858, 0.2293, 0.3114

Rectangle

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



33.4858, 0.2709, 0.2515



33.4858, 0.3526, 0.2867



33.4858, 0.3499, 0.4195



33.4858, 0.2703, 0.3771

Sweetspot

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



33.4871, 0.2709, 0.2515



84.4283, 0.3019, 0.3086



52.4593, 0.2721, 0.3202



17.4840, 0.2998, 0.3045



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.



33.4871, 0.2709, 0.2515



46.1288, 0.2602, 0.2323



36.6547, 0.2957, 0.2568



11.4859, 0.3000, 0.3051



2.9930, 0.1548, 0.0627



0.1909, 0.1674, 0.0696

Inverse Universe

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



39.2531, 0.3222, 0.2687



56.9046, 0.3246, 0.2558



55.5798, 0.3256, 0.4039



11.9832, 0.3156, 0.3088



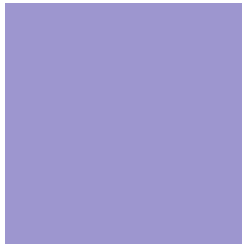
10.4876, 0.3541, 0.1724



0.5936, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 33.4858, 0.2709, 0.2515 looks on a white background.

Color Contrast Check

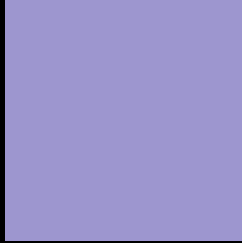
Large Text (above 18pt) WCAG AA × Fail

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 33.4858, 0.2709, 0.2515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

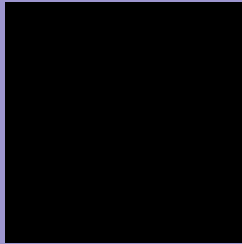
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4858, 0.2709, 0.2515

Background



This preview shows how black text looks on a background with the Yxy color 33.4858, 0.2709, 0.2515.



This preview shows how white text looks on a background with the Yxy color 33.4858, 0.2709, 0.2515.

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

33.4858, 0.2709, 0.2515

Protanopia

33.7586, 0.2567, 0.2524

Deuteranopia

33.5872, 0.2623, 0.2563



Tritanopia

33.5003, 0.2947, 0.3096

Trichromacy



Original Color

33.4858, 0.2709, 0.2515

Protanomaly

33.5890, 0.2617, 0.2516

Deuteranomaly

33.6283, 0.2654, 0.2555

Tritanomaly

33.3024, 0.2865, 0.2870

Monochromacy



Original Color

33.4858, 0.2709, 0.2515

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.1806, 0.2970, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4858, 0.2709, 0.2515 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(157, 150, 207)` looks like.

```
.text, #text, p{  
    color:rgb(157, 150, 207)  
}
```

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(157, 150, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 150, 207) }
```

Border

The CSS property to change the border of an element to Yxy 33.4858, 0.2709, 0.2515 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(157, 150, 207) }
```

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

```
.border{ border-color:rgb(157, 150, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 150, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 150, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 150, 207);  
box-shadow:4px 4px 4px 4px rgb(157, 150,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4858, 0.2709, 0.2515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 150, 207) }
```

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

```
.background{ background-color: rgb(157,  
150, 207) }
```

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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