

Converting Colors

$Y_{xy}(30.0752, 0.2328, 0.1829)$

Have a look what the booklet for
Yxy(30.0752, 0.2328, 0.1829)
contains.

Yxy(30.1929, 0.2332, 0.1836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1929, 0.2332, 0.1836)

Conversions

Conversions Part 1

Format	Color
Hex	9585FC
RGB	149, 133, 252
RGB Percent	58%, 52%, 99%
CMY	0.4158, 0.4784, 0.0117
CMYK	0.41, 0.47, 0.00, 0.01
HSL	248°, 95%, 75%
HSV	248°, 47%, 99%
XYZ	38.3496, 30.1929, 95.9069
YIQ	151.3500, -28.6630, 40.4010

Conversions

Conversions Part 2

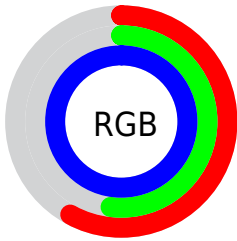
Format	Color
RYB	149, 133, 252
Decimal	9799164
CIELab	61.82, 34.04, -57.54
CIELCh	62, 66.856, 300.604
Yxy	30.1929, 0.2332, 0.1836
Android (android.graphics.Color)	4287989244 (0xFF9585FC)
YUV	151.3500, 49.6205, -2.0609
Hunter-Lab	54.9481, 28.4204, -65.0217

Details

The Yxy color **30.1929, 0.2332, 0.1836** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.1585, 0.3714, 0.4495**, and the grayscale version is **30.8973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6032, 0.2800, 0.2538**, and **12.4020, 0.2095, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **22.2378, 0.2132, 0.1496**, and if you desaturate by 10%, it is **40.1895, 0.2529, 0.2182**.

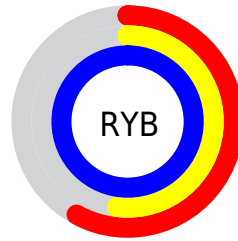
Distribution



Red (58%)

Green (52%)

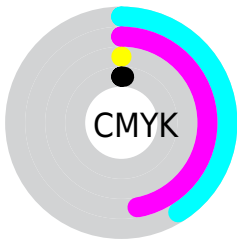
Blue (99%)



Red (58%)

Yellow (52%)

Blue (99%)

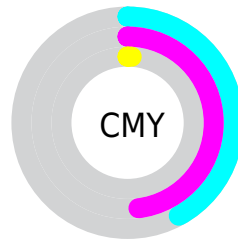


Cyan (41%)

Magenta (47%)

Yellow (0%)

Black (1%)



Cyan (42%)


Magenta (48%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1929, 0.2332, 0.1836 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 30.1929, 0.2332, 0.1836 by changing the saturation by 10% instead.


 30.1929, 0.2332,
0.1836


 30.1929, 0.2332,
0.1836


302.8026, 0.2750,
0.2521


 19.9851, 0.2227,
0.1684


 59.9671, 0.2486,
0.2072

 12.3842, 0.2093,
0.1500

 80.3022, 0.2543,
0.2164

 7.0059, 0.1919,
0.1277


 104.7819, 0.2591,
0.2244

 3.4658, 0.1689,
0.1006

133.7906, 0.2633,
0.2314

 1.3795, 0.1378,
0.0685

167.7126, 0.2668,
0.2375

 0.2015, 0.0977,
0.0190


206.9323, 0.2699,


 0.0000, 0.0000,

0.2429


0.0000


251.8342, 0.2726,
0.2477


 30.1929, 0.2332,
0.1836

 30.1929, 0.2332,
0.1836


 22.2378, 0.2132,
0.1496


 40.1895, 0.2529,
0.2182


 16.1793, 0.1941,
0.1185


 52.3527, 0.2715,
0.2516

 11.8582, 0.1775,
0.0928

 66.8013, 0.2883,
0.2826

 9.0874, 0.1645,
0.0745

 83.6443, 0.3032,
0.3107

 7.6295, 0.1559,
0.0643

99.8087, 0.3144,
0.3319

■ 7.3656, 0.1543,
0.0623

Harmonies

Analogous

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



30.1929, 0.1702, 0.1780



30.1929, 0.2332, 0.1836



30.1929, 0.3315, 0.2157

Triad

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



30.1929, 0.2332, 0.1836



30.1929, 0.5123, 0.4073



30.1929, 0.1881, 0.3855

Complementary

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



30.1929, 0.2332, 0.1836



89.1585, 0.3714, 0.4495

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.



30.1929, 0.2674, 0.4986



30.1929, 0.2332, 0.1836



30.1929, 0.4536, 0.4803

Square

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



30.1929, 0.2332, 0.1836



30.1929, 0.5127, 0.3355



30.1929, 0.3644, 0.5284



30.1929, 0.1466, 0.2713

Rectangle

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



30.1929, 0.2332, 0.1836



30.1929, 0.4066, 0.2497



30.1929, 0.3644, 0.5284



30.1929, 0.2109, 0.4279

Sweetspot

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



30.1940, 0.2332, 0.1836



73.9014, 0.2933, 0.2920



72.0879, 0.2465, 0.3102



15.0517, 0.2900, 0.2857



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.



30.1940, 0.2332, 0.1836



22.9755, 0.2135, 0.1502



37.2709, 0.2801, 0.2005



16.7546, 0.3000, 0.3046



3.8719, 0.1551, 0.0628



0.3921, 0.1636, 0.0675

Inverse Universe

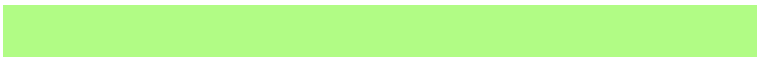
The Inverse Universe completely reimagines the original color for something new.



43.5331, 0.3323, 0.2271



38.3635, 0.3373, 0.2093



80.6238, 0.3311, 0.4675



17.4821, 0.3159, 0.3087



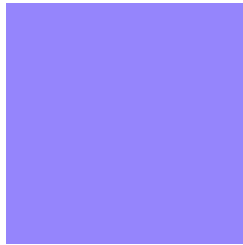
13.4385, 0.3580, 0.1746



1.2554, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 30.1929, 0.2332, 0.1836 looks on a white background.

Color Contrast Check

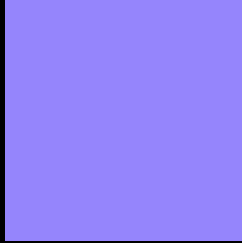
Large Text (above 18pt) WCAG AA × Fail

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 30.1929, 0.2332, 0.1836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

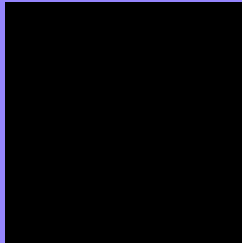
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1929, 0.2332, 0.1836

Background



This preview shows how black text looks on a background with the Yxy color 30.1929, 0.2332, 0.1836.



This preview shows how white text looks on a background with the Yxy color 30.1929, 0.2332, 0.1836.

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

30.1929, 0.2332, 0.1836

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.4290, 0.2029, 0.1965



Tritanopia

30.0883, 0.2788, 0.3097

Trichromacy



Original Color

30.1929, 0.2332, 0.1836

Protanomaly

30.0571, 0.2145, 0.1848

Deuteranomaly

29.9119, 0.2115, 0.1909

Tritanomaly

29.8232, 0.2601, 0.2542

Monochromacy



Original Color

30.1929, 0.2332, 0.1836

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.0614, 0.2789, 0.2651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1929, 0.2332, 0.1836 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(149, 133, 252)` looks like.

```
.text, #text, p{  
    color:rgb(149, 133, 252)  
}
```

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(149, 133, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 133, 252) }
```

Border

The CSS property to change the border of an element to Yxy 30.1929, 0.2332, 0.1836 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(149, 133, 252) }
```

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

```
.border{ border-color:rgb(149, 133, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 133, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 133, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 133, 252);  
box-shadow:4px 4px 4px 4px rgb(149, 133,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1929, 0.2332, 0.1836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 133, 252) }
```

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

```
.background{ background-color: rgb(149,  
133, 252) }
```

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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