

Converting Colors

$Y_{xy}(30.4331, 0.2333, 0.1870)$

Have a look what the booklet for
Yxy(30.4331, 0.2333, 0.1870)
contains.

Yxy(30.4331, 0.2333, 0.1870)	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(30.4331, 0.2333, 0.1870)

Conversions

Conversions Part 1

Format	Color
Hex	9387FA
RGB	147, 135, 250
RGB Percent	58%, 53%, 98%
CMY	0.4232, 0.4707, 0.0195
CMYK	0.41, 0.46, 0.00, 0.02
HSL	246°, 92%, 75%
HSV	246°, 46%, 98%
XYZ	37.9681, 30.4331, 94.3426
YIQ	151.6980, -29.7630, 38.3090

Conversions

Conversions Part 2

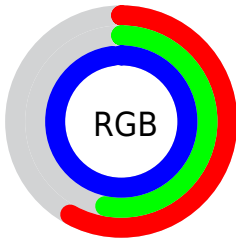
Format	Color
R _Y B	147, 135, 250
Decimal	9668602
CIE Lab	62.03, 31.92, -56.14
CIE LCh	62, 64.581, 299.621
Yxy	30.4331, 0.2333, 0.1870
Android (android.graphics.Color)	4287858682 (0xFF9387FA)
YUV	151.6980, 48.4629, -4.1201
Hunter-Lab	55.1662, 26.3118, -62.7786

Details

The Yxy color **30.4331, 0.2333, 0.1870** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.3008, 0.3724, 0.4456**, and the grayscale version is **31.0647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1656, 0.2787, 0.2558**, and **12.5209, 0.2095, 0.1535** is the 20% darker color. If you saturate the color by 10%, you get **22.3873, 0.2129, 0.1525**, and if you desaturate by 10%, it is **40.5210, 0.2534, 0.2218**.

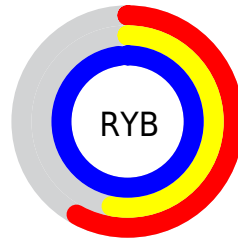
Distribution



Red (58%)

Green (53%)

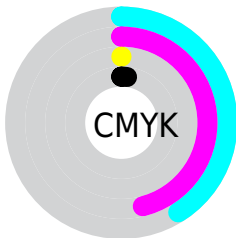
Blue (98%)



Red (58%)

Yellow (53%)

Blue (98%)

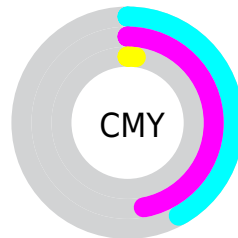


Cyan (41%)

Magenta (46%)

Yellow (0%)

Black (2%)



Cyan (42%)


Magenta (47%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4331, 0.2333, 0.1870 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 30.4331, 0.2333, 0.1870 by changing the saturation by 10% instead.


 30.4331, 0.2333,
0.1870


 30.4331, 0.2333,
0.1870


303.9180, 0.2750,
0.2542


 20.1676, 0.2228,
0.1719


 60.3464, 0.2486,
0.2102

 12.5169, 0.2095,
0.1537


 80.7630, 0.2543,
0.2193

 7.0967, 0.1921,
0.1315


 105.3320, 0.2591,
0.2272

 3.5227, 0.1691,
0.1043

134.4379, 0.2633,
0.2340

 1.4103, 0.1380,
0.0718

168.4651, 0.2668,
0.2400

 0.2243, 0.0977,
0.0219

207.7979, 0.2699,

 0.0000, 0.0000,

0.2453

0.0000

252.8208, 0.2726,
0.2500

■ 30.4331, 0.2333,
0.1870

■ 30.4331, 0.2333,
0.1870

■ 22.3873, 0.2129,
0.1525

■ 40.5210, 0.2534,
0.2218

■ 16.2405, 0.1935,
0.1207

■ 52.7745, 0.2723,
0.2552

■ 11.8364, 0.1766,
0.0942

■ 67.3109, 0.2894,
0.2861

■ 8.9918, 0.1635,
0.0751

■ 84.2381, 0.3046,
0.3139

■ 7.4820, 0.1551,
0.0642

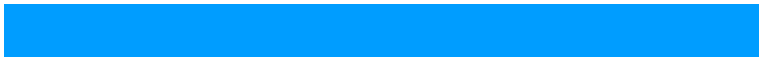
■ 99.6842, 0.3156,
0.3337

■ 7.1286, 0.1529,
0.0616

Harmonies

Analogous

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



30.4331, 0.1729, 0.1826



30.4331, 0.2333, 0.1870



30.4331, 0.3276, 0.2176

Triad

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



30.4331, 0.2333, 0.1870



30.4331, 0.5073, 0.4042



30.4331, 0.1943, 0.3876

Complementary

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



30.4331, 0.2333, 0.1870



88.3008, 0.3724, 0.4456

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.



30.4331, 0.2726, 0.4939



30.4331, 0.2333, 0.1870



30.4331, 0.4528, 0.4746

Square

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



30.4331, 0.2333, 0.1870



30.4331, 0.5045, 0.3341



30.4331, 0.3670, 0.5208



30.4331, 0.1521, 0.2769

Rectangle

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



30.4331, 0.2333, 0.1870



30.4331, 0.3999, 0.2504



30.4331, 0.3670, 0.5208



30.4331, 0.2170, 0.4278

Sweetspot

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



30.4342, 0.2333, 0.1870



73.7378, 0.2926, 0.2919



73.5085, 0.2487, 0.3154



15.0125, 0.2892, 0.2856



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.



30.4342, 0.2333, 0.1870



24.1337, 0.2148, 0.1558



37.0605, 0.2780, 0.2027



16.7306, 0.2995, 0.3046



3.8087, 0.1536, 0.0620



0.3807, 0.1607, 0.0659

Inverse Universe

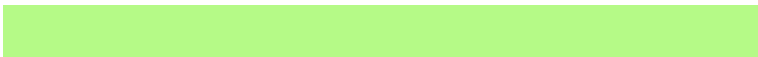
The Inverse Universe completely reimagines the original color for something new.



43.8156, 0.3287, 0.2267



39.7686, 0.3324, 0.2095



79.9632, 0.3333, 0.4625



17.4912, 0.3154, 0.3081



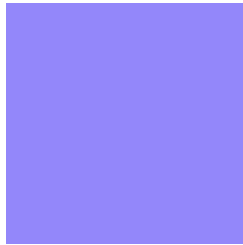
13.6378, 0.3494, 0.1699



1.2719, 0.3456, 0.1677

Previews

White Background



This preview shows how the Yxy color 30.4331, 0.2333, 0.1870 looks on a white background.

Color Contrast Check

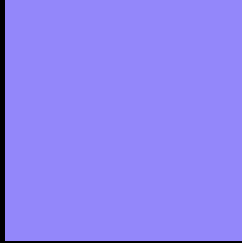
Large Text (above 18pt) WCAG AA × Fail

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 30.4331, 0.2333, 0.1870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

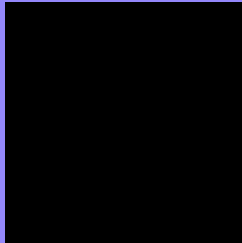
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4331, 0.2333, 0.1870

Background



This preview shows how black text looks on a background with the Yxy color 30.4331, 0.2333, 0.1870.



This preview shows how white text looks on a background with the Yxy color 30.4331, 0.2333, 0.1870.

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

30.4331, 0.2333, 0.1870

Protanopia

30.6025, 0.2072, 0.1876

Deuteranopia

30.5543, 0.2048, 0.1979



Tritanopia

30.3764, 0.2772, 0.3097

Trichromacy



Original Color

30.4331, 0.2333, 0.1870

Protanomaly

30.2894, 0.2151, 0.1869

Deuteranomaly

30.2793, 0.2132, 0.1934

Tritanomaly

29.9670, 0.2586, 0.2554

Monochromacy



Original Color

30.4331, 0.2333, 0.1870

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.6726, 0.2791, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4331, 0.2333, 0.1870 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(147, 135, 250)` looks like.

```
.text, #text, p{  
    color:rgb(147, 135, 250)  
}
```

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(147, 135, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 135, 250) }
```

Border

The CSS property to change the border of an element to Yxy 30.4331, 0.2333, 0.1870 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(147, 135, 250) }
```

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

```
.border{ border-color:rgb(147, 135, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 135, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 135, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 135, 250);  
box-shadow:4px 4px 4px 4px rgb(147, 135,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4331, 0.2333, 0.1870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 135, 250) }
```

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

```
.background{ background-color: rgb(147,  
135, 250) }
```

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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