

Converting Colors

$Y_{xy}(31.9097, 0.2299, 0.1881)$

Have a look what the booklet for
Yxy(31.9097, 0.2299, 0.1881)
contains.

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Color

Yxy(31.9959, 0.2303, 0.1884)

Conversions

Conversions Part 1

Format	Color
Hex	918CFF
RGB	145, 140, 255
RGB Percent	57%, 55%, 100%
CMY	0.4312, 0.4510, 0.0000
CMYK	0.43, 0.45, 0.00, 0.00
HSL	243°, 100%, 77%
HSV	243°, 45%, 100%
XYZ	39.1118, 31.9959, 98.7220
YIQ	154.6050, -33.9350, 36.8250

Conversions

Conversions Part 2

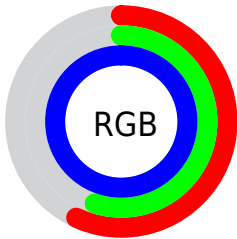
Format	Color
R_{YB}	145, 140, 255
Decimal	9538815
CIE _{Lab}	63.34, 29.92, -56.78
CIE _{LCh}	63, 64.182, 297.786
Yxy	31.9959, 0.2303, 0.1884
Android (android.graphics.Color)	4287728895 (0xFF918CFF)
YUV	154.6050, 49.4947, -8.4236
Hunter-Lab	56.5649, 24.4351, -63.8826

Details

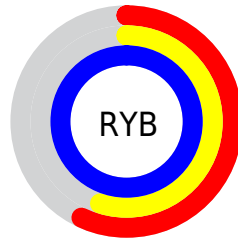
The Yxy color **31.9959, 0.2303, 0.1884** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.7242, 0.3763, 0.4415**, and the grayscale version is **32.3876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5001, 0.2778, 0.2622**, and **13.4158, 0.2061, 0.1555** is the 20% darker color. If you saturate the color by 10%, you get **23.4065, 0.2092, 0.1532**, and if you desaturate by 10%, it is **42.7889, 0.2513, 0.2238**.

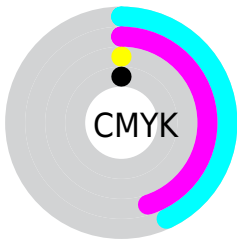
Distribution



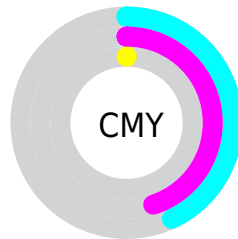
- Red (57%)
- Green (55%)
- Blue (100%)



- Red (57%)
- Yellow (55%)
- Blue (100%)



- Cyan (43%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9959, 0.2303, 0.1884 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 31.9959, 0.2303, 0.1884 by changing the saturation by 10% instead.


 31.9959, 0.2303,
0.1884

 31.9959, 0.2303,
0.1884


311.1006, 0.2730,
0.2546

 21.3584, 0.2197,
0.1736

 62.8047, 0.2459,
0.2112

 13.3862, 0.2064,
0.1558


 83.7447, 0.2517,
0.2202

 7.6950, 0.1891,
0.1341


 108.8876, 0.2566,
0.2279

 3.9004, 0.1664,
0.1075

138.6180, 0.2609,
0.2346

 1.6180, 0.1361,
0.0757

173.3200, 0.2645,
0.2405

 0.3697, 0.0966,
0.0323

213.3782, 0.2677,


 0.0000, 0.0056,


0.2458

0.0000


259.1769, 0.2705,
0.2504


 0.0000, 0.0000,
0.0000


 31.9959, 0.2303,
0.1884


 31.9959, 0.2303,
0.1884


 23.4065, 0.2092,
0.1532


 42.7889, 0.2513,
0.2238


 16.8658, 0.1894,
0.1206


 55.9196, 0.2712,
0.2576

 12.2041, 0.1726,
0.0935

 71.5151, 0.2893,
0.2885

 9.2229, 0.1602,
0.0741

 89.6926, 0.3053,
0.3162

 7.6791, 0.1528,
0.0633

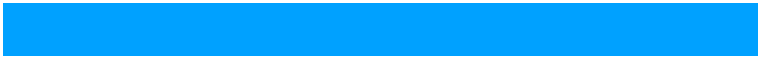
100.0000, 0.3127,
0.3290

■ 7.2928, 0.1509,
0.0605

Harmonies

Analogous

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



31.9959, 0.1728, 0.1859



31.9959, 0.2303, 0.1884



31.9959, 0.3211, 0.2171

Triad

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



31.9959, 0.2303, 0.1884



31.9959, 0.5053, 0.3994



31.9959, 0.2007, 0.3936

Complementary

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



31.9959, 0.2303, 0.1884



93.7242, 0.3763, 0.4415

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.



31.9959, 0.2794, 0.4938



31.9959, 0.2303, 0.1884



31.9959, 0.4551, 0.4685

Square

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



31.9959, 0.2303, 0.1884



31.9959, 0.4980, 0.3305



31.9959, 0.3723, 0.5154



31.9959, 0.1565, 0.2839

Rectangle

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



31.9959, 0.2303, 0.1884



31.9959, 0.3917, 0.2487



31.9959, 0.3723, 0.5154



31.9959, 0.2237, 0.4323

Sweetspot

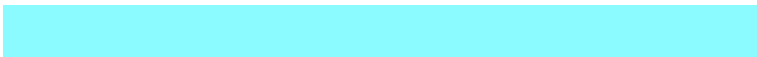
The Sweet Spot groups the original color and five complimentary colors.



31.9970, 0.2303, 0.1884



73.3920, 0.2912, 0.2918



81.8925, 0.2513, 0.3245



14.9296, 0.2875, 0.2854



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.



31.9970, 0.2303, 0.1884



24.2509, 0.2115, 0.1570



38.4350, 0.2725, 0.2030



17.4159, 0.2985, 0.3045



3.8270, 0.1513, 0.0607



0.3855, 0.1544, 0.0624

Inverse Universe

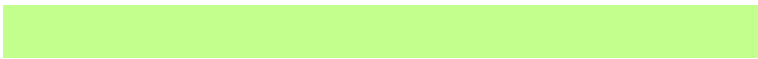
The Inverse Universe completely reimagines the original color for something new.



46.9099, 0.3222, 0.2227



40.8878, 0.3242, 0.2048



84.8374, 0.3380, 0.4577



18.2857, 0.3145, 0.3066



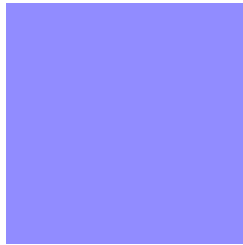
14.5202, 0.3323, 0.1604



1.4179, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 31.9959, 0.2303, 0.1884 looks on a white background.

Color Contrast Check

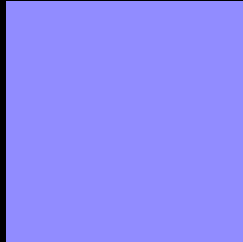
Large Text (above 18pt) WCAG AA × Fail

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 31.9959, 0.2303, 0.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

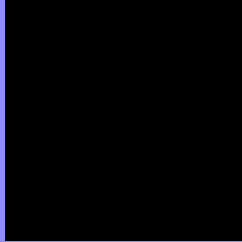
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9959, 0.2303, 0.1884

Background



This preview shows how black text looks on a background with the Yxy color 31.9959, 0.2303, 0.1884.



This preview shows how white text looks on a background with the Yxy color 31.9959, 0.2303, 0.1884.

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

31.9959, 0.2303, 0.1884

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.3131, 0.2055, 0.1992



Tritanopia

32.0599, 0.2709, 0.3084

Trichromacy



Original Color

31.9959, 0.2303, 0.1884

Protanomaly

31.9153, 0.2175, 0.1910

Deuteranomaly

31.9017, 0.2128, 0.1945

Tritanomaly

31.6263, 0.2546, 0.2564

Monochromacy



Original Color

31.9959, 0.2303, 0.1884

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1536, 0.2780, 0.2702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9959, 0.2303, 0.1884 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(145, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 140, 255)  
}
```

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(145, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.9959, 0.2303, 0.1884 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(145, 140, 255) }
```

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

```
.border{ border-color:rgb(145, 140, 255) }
```

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

Here you see how a box with a 4 pixel rgb(145, 140, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9959, 0.2303, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 140, 255) }
```

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

```
.background{ background-color: rgb(145,  
140, 255) }
```

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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