

Converting Colors

$Y_{xy}(32.0519, 0.2282, 0.1709)$

Have a look what the booklet for
Yxy(32.0519, 0.2282, 0.1709)
contains.

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Color

Yxy(31.0630, 0.2366, 0.1830)

Conversions

Conversions Part 1

Format	Color
Hex	9C85FF
RGB	156, 133, 255
RGB Percent	61%, 52%, 100%
CMY	0.3880, 0.4785, 0.0000
CMYK	0.39, 0.48, 0.00, 0.00
HSL	251°, 100%, 76%
HSV	251°, 48%, 100%
XYZ	40.1612, 31.0630, 98.5189
YIQ	153.7850, -25.4540, 42.8180

Conversions

Conversions Part 2

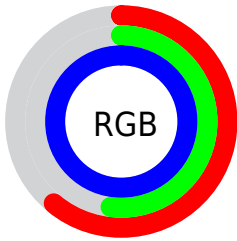
Format	Color
R_{YB}	156, 133, 255
Decimal	10257919
CIE _{Lab}	62.56, 36.57, -57.99
CIE _{LCh}	63, 68.561, 302.238
Yxy	31.0630, 0.2366, 0.1830
Android (android.graphics.Color)	4288447999 (0xFF9C85FF)
YUV	153.7850, 49.8990, 1.9426
Hunter-Lab	55.7342, 31.0896, -65.7905

Details

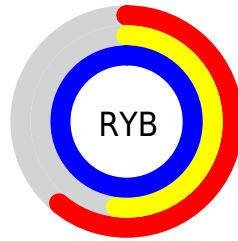
The Yxy color **31.0630, 0.2366, 0.1830** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.3532, 0.3674, 0.4532**, and the grayscale version is **32.0025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6340, 0.2851, 0.2549**, and **12.9164, 0.2136, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **23.0173, 0.2174, 0.1497**, and if you desaturate by 10%, it is **41.1514, 0.2555, 0.2171**.

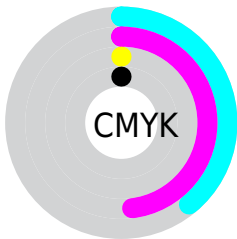
Distribution



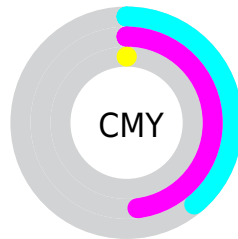
- Red (61%)
- Green (52%)
- Blue (100%)



- Red (61%)
- Yellow (52%)
- Blue (100%)



- Cyan (39%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (39%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0630, 0.2366, 0.1830 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 31.0630, 0.2366, 0.1830 by changing the saturation by 10% instead.

 31.0630, 0.2366,
0.1830


 31.0630, 0.2366,
0.1830


306.8285, 0.2767,
0.2512


 20.6468, 0.2265,
0.1679


 61.3392, 0.2513,
0.2064

 12.8661, 0.2137,
0.1498


 81.9681, 0.2568,
0.2156

 7.3364, 0.1970,
0.1279


 106.7700, 0.2615,
0.2236

 3.6734, 0.1748,
0.1013

136.1293, 0.2654,
0.2305

 1.4926, 0.1449,
0.0698

170.4304, 0.2688,
0.2366

 0.2835, 0.1056,
0.0249

210.0577, 0.2718,


 0.0000, 0.0206,


0.2421


0.0000


255.3956, 0.2744,
0.2469


 0.0000, 0.0000,
0.0000


 31.0630, 0.2366,
0.1830

 31.0630, 0.2366,
0.1830


 23.0173, 0.2174,
0.1497


 41.1514, 0.2555,
0.2171


 16.8758, 0.1988,
0.1194


 53.4154, 0.2731,
0.2501

 12.4761, 0.1822,
0.0943

 67.9717, 0.2890,
0.2810

 9.6293, 0.1688,
0.0762

 84.9299, 0.3030,
0.3091

 8.0873, 0.1593,
0.0659

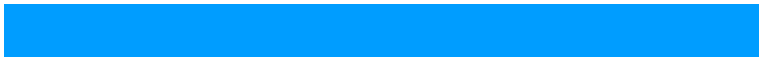
100.0000, 0.3127,
0.3290

■ 7.8546, 0.1577,
0.0643

Harmonies

Analogous

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



31.0630, 0.1710, 0.1757



31.0630, 0.2366, 0.1830



31.0630, 0.3378, 0.2168

Triad

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



31.0630, 0.2366, 0.1830



31.0630, 0.5128, 0.4117



31.0630, 0.1829, 0.3792

Complementary

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



31.0630, 0.2366, 0.1830



90.3532, 0.3674, 0.4532

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.



31.0630, 0.2613, 0.4971



31.0630, 0.2366, 0.1830



31.0630, 0.4506, 0.4855

Square

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



31.0630, 0.2366, 0.1830



31.0630, 0.5176, 0.3389



31.0630, 0.3592, 0.5324



31.0630, 0.1434, 0.2652

Rectangle

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



31.0630, 0.2366, 0.1830



31.0630, 0.4141, 0.2517



31.0630, 0.3592, 0.5324



31.0630, 0.2052, 0.4227

Sweetspot

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



31.0616, 0.2366, 0.1830



74.2174, 0.2946, 0.2921



70.2718, 0.2444, 0.3026



15.1277, 0.2915, 0.2859



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.



31.0616, 0.2366, 0.1830



23.6279, 0.2190, 0.1525



38.6408, 0.2847, 0.2006



17.5431, 0.3008, 0.3046



4.1511, 0.1588, 0.0648



0.4459, 0.1684, 0.0701

Inverse Universe

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



43.8484, 0.3389, 0.2315



37.9099, 0.3454, 0.2157



81.9397, 0.3274, 0.4713



18.2379, 0.3167, 0.3099



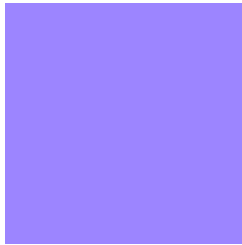
13.4774, 0.3756, 0.1843



1.3267, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 31.0630, 0.2366, 0.1830 looks on a white background.

Color Contrast Check

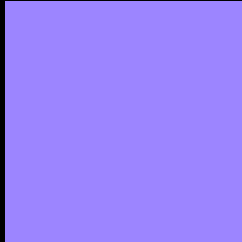
Large Text (above 18pt) WCAG AA × Fail

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 31.0630, 0.2366, 0.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

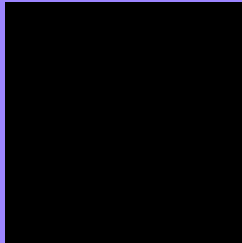
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0630, 0.2366, 0.1830

Background



This preview shows how black text looks on a background with the Yxy color 31.0630, 0.2366, 0.1830.



This preview shows how white text looks on a background with the Yxy color 31.0630, 0.2366, 0.1830.

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

31.0630, 0.2366, 0.1830

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.3528, 0.2032, 0.1968



Tritanopia

31.0986, 0.2852, 0.3102

Trichromacy



Original Color

31.0630, 0.2366, 0.1830

Protanomaly

31.1500, 0.2179, 0.1876

Deuteranomaly

30.6586, 0.2126, 0.1903

Tritanomaly

30.4746, 0.2652, 0.2542

Monochromacy



Original Color

31.0630, 0.2366, 0.1830

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.2879, 0.2812, 0.2650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0630, 0.2366, 0.1830 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(156, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(156, 133, 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(156, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 133, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.0630, 0.2366, 0.1830 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(156, 133, 255) }
```

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

```
.border{ border-color:rgb(156, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 133,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0630, 0.2366, 0.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 133, 255) }
```

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

```
.background{ background-color: rgb(156,  
133, 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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