

Converting Colors

$Y_{xy}(31.2822, 0.2415, 0.1829)$

Have a look what the booklet for
Yxy(31.2822, 0.2415, 0.1829)
contains.

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Color

Yxy(31.2391, 0.2414, 0.1827)

Conversions

Conversions Part 1

Format	Color
Hex	A383FF
RGB	163, 131, 255
RGB Percent	64%, 51%, 100%
CMY	0.3607, 0.4863, 0.0000
CMYK	0.36, 0.49, 0.00, 0.00
HSL	256°, 100%, 76%
HSV	256°, 49%, 100%
XYZ	41.2760, 31.2391, 98.4707
YIQ	154.7040, -20.7320, 45.3480

Conversions

Conversions Part 2

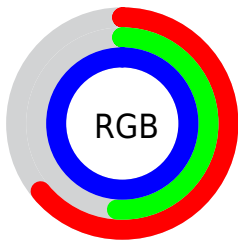
Format	Color
R _Y B	163, 131, 255
Decimal	10716159
CIE Lab	62.71, 39.37, -57.70
CIE LCh	63, 69.858, 304.307
Yxy	31.2391, 0.2414, 0.1827
Android (android.graphics.Color)	4288906239 (0xFFA383FF)
YUV	154.7040, 49.4459, 7.2756
Hunter-Lab	55.8919, 34.0106, -65.3330

Details

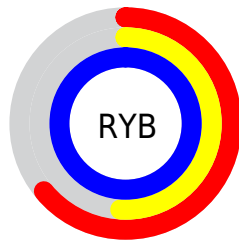
The Yxy color **31.2391, 0.2414, 0.1827** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **88.8397, 0.3622, 0.4579**, and the grayscale version is **32.4266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2901, 0.2902, 0.2549**, and **13.0262, 0.2192, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **23.3632, 0.2232, 0.1504**, and if you desaturate by 10%, it is **41.0995, 0.2590, 0.2159**.

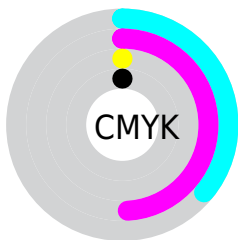
Distribution



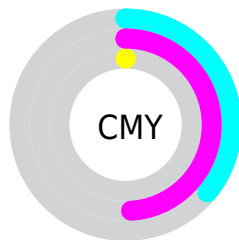
- Red (64%)
- Green (51%)
- Blue (100%)



- Red (64%)
- Yellow (51%)
- Blue (100%)



- Cyan (36%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2391, 0.2414, 0.1827 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 31.2391, 0.2414, 0.1827 by changing the saturation by 10% instead.


 31.2391, 0.2414,
0.1827


 31.2391, 0.2414,
0.1827


307.6383, 0.2792,
0.2508


 20.7810, 0.2318,
0.1677


 61.6163, 0.2554,
0.2060

 12.9640, 0.2195,
0.1497


 82.3042, 0.2606,
0.2152

 7.4038, 0.2035,
0.1279


 107.1708, 0.2649,
0.2232

 3.7159, 0.1821,
0.1015

136.6005, 0.2687,
0.2301

 1.5159, 0.1529,
0.0702

170.9777, 0.2719,
0.2362

 0.2999, 0.1141,
0.0260

210.6868, 0.2746,

 0.0000, 0.0357,

0.2416

0.0000

256.1122, 0.2771,
0.2465

■ 0.0000, 0.0000,
0.0000

■ 31.2391, 0.2414,
0.1827

■ 31.2391, 0.2414,
0.1827

■ 23.3632, 0.2232,
0.1504

■ 41.0995, 0.2590,
0.2159

■ 17.3314, 0.2054,
0.1211

■ 53.0687, 0.2753,
0.2484

■ 12.9865, 0.1891,
0.0968

■ 67.2621, 0.2900,
0.2790

■ 10.1431, 0.1755,
0.0793

■ 83.7862, 0.3030,
0.3070

■ 8.5418, 0.1651,
0.0688

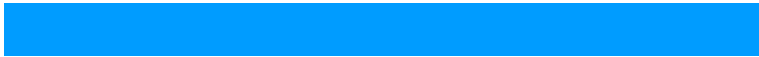
100.0000, 0.3127,
0.3290

■ 8.3743, 0.1639,
0.0676

Harmonies

Analogous

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



31.2391, 0.1725, 0.1733



31.2391, 0.2414, 0.1827



31.2391, 0.3461, 0.2185

Triad

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



31.2391, 0.2414, 0.1827



31.2391, 0.5127, 0.4173



31.2391, 0.1769, 0.3708

Complementary

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



31.2391, 0.2414, 0.1827



88.8397, 0.3622, 0.4579

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.



31.2391, 0.2537, 0.4941



31.2391, 0.2414, 0.1827



31.2391, 0.4463, 0.4920

Square

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



31.2391, 0.2414, 0.1827



31.2391, 0.5229, 0.3434



31.2391, 0.3523, 0.5367



31.2391, 0.1400, 0.2576

Rectangle

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



31.2391, 0.2414, 0.1827



31.2391, 0.4234, 0.2547



31.2391, 0.3523, 0.5367



31.2391, 0.1984, 0.4153

Sweetspot

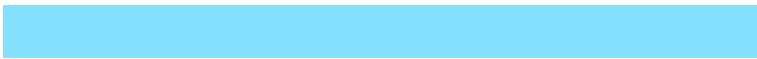
The Sweet Spot groups the original color and five complimentary colors.



31.2395, 0.2414, 0.1827



72.9882, 0.2949, 0.2895



65.3543, 0.2416, 0.2920



14.9030, 0.2921, 0.2834



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.



31.2395, 0.2414, 0.1827



23.8046, 0.2244, 0.1524



39.2966, 0.2912, 0.2011



17.6046, 0.3019, 0.3047



4.4359, 0.1652, 0.0684



0.4817, 0.1763, 0.0745

Inverse Universe

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



42.8152, 0.3477, 0.2376



36.7949, 0.3570, 0.2226



80.8389, 0.3225, 0.4761



18.2155, 0.3178, 0.3115



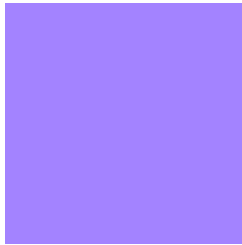
13.0569, 0.3995, 0.1974



1.2891, 0.3885, 0.1914

Previews

White Background



This preview shows how the Yxy color 31.2391, 0.2414, 0.1827 looks on a white background.

Color Contrast Check

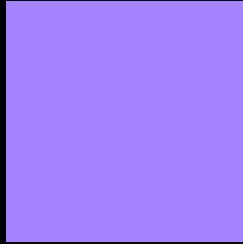
Large Text (above 18pt) WCAG AA × Fail

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 31.2391, 0.2414, 0.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

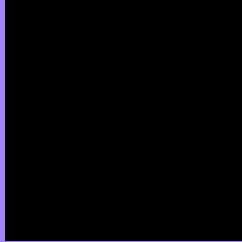
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2391, 0.2414, 0.1827

Background



This preview shows how black text looks on a background with the Yxy color 31.2391, 0.2414, 0.1827.



This preview shows how white text looks on a background with the Yxy color 31.2391, 0.2414, 0.1827.

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

31.2391, 0.2414, 0.1827

Protanopia

31.4640, 0.2097, 0.1908

Deuteranopia

31.4333, 0.2048, 0.1980



Tritanopia

31.0127, 0.2923, 0.3089

Trichromacy



Original Color

31.2391, 0.2414, 0.1827

Protanomaly

31.0780, 0.2194, 0.1869

Deuteranomaly

30.6196, 0.2144, 0.1897

Tritanomaly

30.5078, 0.2710, 0.2525

Monochromacy



Original Color

31.2391, 0.2414, 0.1827

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.5885, 0.2839, 0.2655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2391, 0.2414, 0.1827 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(163, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 131, 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(163, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.2391, 0.2414, 0.1827 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(163, 131, 255) }
```

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

```
.border{ border-color:rgb(163, 131, 255) }
```

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

Here you see how a box with a 4 pixel rgb(163, 131, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2391, 0.2414, 0.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 131, 255) }
```

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

```
.background{ background-color: rgb(163,  
131, 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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