

Converting Colors

$Y_{xy}(36.7218, 0.2137, 0.1392)$

Have a look what the booklet for
Yxy(36.7218, 0.2137, 0.1392)
contains.

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Color

Yxy(31.1694, 0.2477, 0.1810)

Conversions

Conversions Part 1

Format	Color
Hex	AC7FFF
RGB	172, 127, 255
RGB Percent	67%, 50%, 100%
CMY	0.3254, 0.5020, 0.0000
CMYK	0.33, 0.50, 0.00, 0.00
HSL	261°, 100%, 75%
HSV	261°, 50%, 100%
XYZ	42.6556, 31.1694, 98.3816
YIQ	155.0470, -14.2680, 49.3480

Conversions

Conversions Part 2

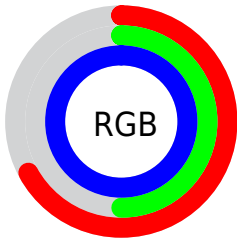
Format	Color
RYB	172, 127, 255
Decimal	11304959
CIELab	62.65, 43.80, -57.75
CIElCh	63, 72.479, 307.179
Yxy	31.1694, 0.2477, 0.1810
Android (android.graphics.Color)	4289495039 (0xFFAC7FFF)
YUV	155.0470, 49.2768, 14.8678
Hunter-Lab	55.8296, 38.6780, -65.3989

Details

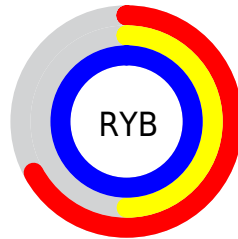
The Yxy color **31.1694, 0.2477, 0.1810** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **86.7507, 0.3552, 0.4658**, and the grayscale version is **32.5837, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0907, 0.2969, 0.2522**, and **12.8449, 0.2272, 0.1479** is the 20% darker color. If you saturate the color by 10%, you get **23.6405, 0.2312, 0.1503**, and if you desaturate by 10%, it is **40.5987, 0.2635, 0.2130**.

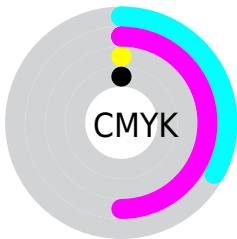
Distribution



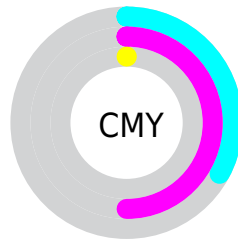
- Red (67%)
- Green (50%)
- Blue (100%)



- Red (67%)
- Yellow (50%)
- Blue (100%)



- Cyan (33%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1694, 0.2477, 0.1810 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 31.1694, 0.2477, 0.1810 by changing the saturation by 10% instead.


 31.1694, 0.2477,
0.1810


 31.1694, 0.2477,
0.1810


307.3180, 0.2827,
0.2495

 20.7279, 0.2387,
0.1660


 61.5067, 0.2607,
0.2044

 12.9252, 0.2272,
0.1480


 82.1712, 0.2655,
0.2136

 7.3771, 0.2120,
0.1263


 107.0122, 0.2695,
0.2216

 3.6990, 0.1915,
0.1000

136.4141, 0.2730,
0.2286

 1.5067, 0.1632,
0.0691

170.7612, 0.2759,
0.2348

 0.2934, 0.1251,
0.0252

210.4380, 0.2785,


 0.0000, 0.0536,


0.2403

0.0000

255.8288, 0.2807,
0.2451

 0.0000, 0.0000,
0.0000

 31.1694, 0.2477,
0.1810

 31.1694, 0.2477,
0.1810


 23.6405, 0.2312,
0.1503

 40.5987, 0.2635,
0.2130

 17.8732, 0.2149,
0.1228


 52.0493, 0.2781,
0.2446

 13.7123, 0.1995,
0.1002

 65.6344, 0.2912,
0.2749

 10.9726, 0.1861,
0.0839

 81.4577, 0.3027,
0.3030

 9.3780, 0.1753,
0.0739

99.6165, 0.3125,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.1694, 0.1735, 0.1686



31.1694, 0.2477, 0.1810



31.1694, 0.3586, 0.2200

Triad

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



31.1694, 0.2477, 0.1810



31.1694, 0.5138, 0.4257



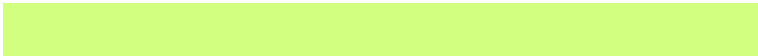
31.1694, 0.1668, 0.3588

Complementary

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



31.1694, 0.2477, 0.1810



86.7507, 0.3552, 0.4658

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.



31.1694, 0.2419, 0.4916



31.1694, 0.2477, 0.1810



31.1694, 0.4405, 0.5027

Square

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



31.1694, 0.2477, 0.1810



31.1694, 0.5325, 0.3495



31.1694, 0.3423, 0.5453



31.1694, 0.1336, 0.2461

Rectangle

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



31.1694, 0.2477, 0.1810



31.1694, 0.4383, 0.2580



31.1694, 0.3423, 0.5453



31.1694, 0.1874, 0.4053

Sweetspot

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



31.1701, 0.2477, 0.1810



73.5735, 0.2973, 0.2898



57.9229, 0.2365, 0.2745



15.0428, 0.2949, 0.2838



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.



31.1701, 0.2477, 0.1810



23.7719, 0.2316, 0.1509



40.1961, 0.3015, 0.2014



17.6884, 0.3034, 0.3048



4.9753, 0.1769, 0.0748



0.5427, 0.1892, 0.0816

Inverse Universe

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



41.0896, 0.3615, 0.2457



34.9886, 0.3753, 0.2322



79.1812, 0.3152, 0.4849



18.1855, 0.3192, 0.3137



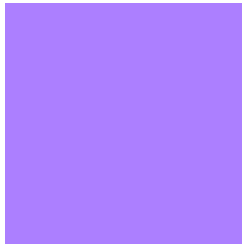
12.5637, 0.4349, 0.2169



1.2440, 0.4185, 0.2079

Previews

White Background



This preview shows how the Yxy color 31.1694, 0.2477, 0.1810 looks on a white background.

Color Contrast Check

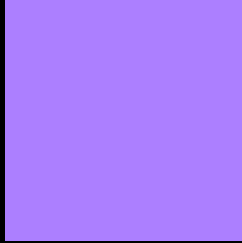
Large Text (above 18pt) WCAG AA × Fail

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 31.1694, 0.2477, 0.1810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

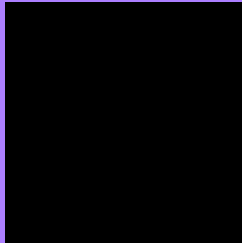
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1694, 0.2477, 0.1810

Background



This preview shows how black text looks on a background with the Yxy color 31.1694, 0.2477, 0.1810.

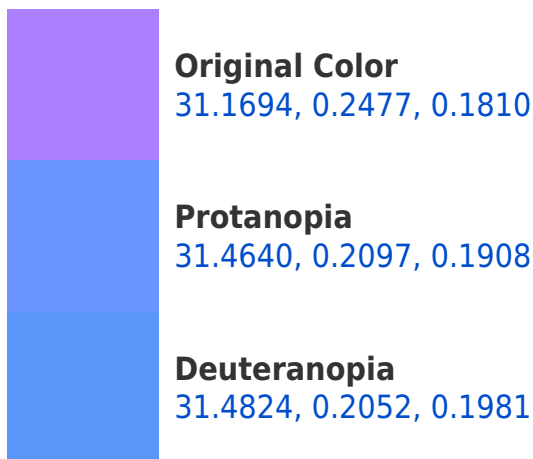


This preview shows how white text looks on a background with the Yxy color 31.1694, 0.2477, 0.1810.

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





Tritanopia

31.1582, 0.3055, 0.3123

Trichromacy



Original Color

31.1694, 0.2477, 0.1810



Protanomaly

30.7220, 0.2207, 0.1851



Deuteranomaly

30.5951, 0.2164, 0.1891



Tritanomaly

30.7597, 0.2822, 0.2552

Monochromacy



Original Color

31.1694, 0.2477, 0.1810



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.5895, 0.2867, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1694, 0.2477, 0.1810 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(172, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 127, 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(172, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.1694, 0.2477, 0.1810 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(172, 127, 255) }
```

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

```
.border{ border-color:rgb(172, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1694, 0.2477, 0.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 127, 255) }
```

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

```
.background{ background-color: rgb(172,  
127, 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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