

Converting Colors

$Y_{xy}(32.8875, 0.2401, 0.1687)$

Have a look what the booklet for
Yxy(32.8875, 0.2401, 0.1687)
contains.

Yxy(31.6289, 0.2508, 0.1822)	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(31.6289, 0.2508, 0.1822)

Conversions

Conversions Part 1

Format	Color
Hex	B07FFF
RGB	176, 127, 255
RGB Percent	69%, 50%, 100%
CMY	0.3100, 0.5019, 0.0000
CMYK	0.31, 0.50, 0.00, 0.00
HSL	263°, 100%, 75%
HSV	263°, 50%, 100%
XYZ	43.5375, 31.6289, 98.4280
YIQ	156.2430, -11.8840, 50.1960

Conversions

Conversions Part 2

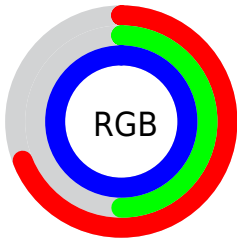
Format	Color
R _Y B	176, 127, 255
Decimal	11567103
CIE _{Lab}	63.03, 44.76, -57.11
CIE _{LCh}	63, 72.565, 308.086
Y _{xy}	31.6289, 0.2508, 0.1822
Android (android.graphics.Color)	4289757183 (0xFFB07FFF)
YUV	156.2430, 48.6872, 17.3269
Hunter-Lab	56.2396, 39.7653, -64.3990

Details

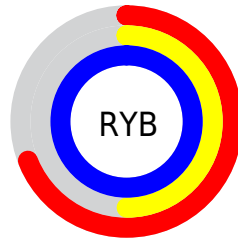
The Yxy color **31.6289, 0.2508, 0.1822** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **86.1840, 0.3526, 0.4670**, and the grayscale version is **33.1418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7602, 0.2999, 0.2529**, and **13.1680, 0.2305, 0.1489** is the 20% darker color. If you saturate the color by 10%, you get **24.1238, 0.2350, 0.1520**, and if you desaturate by 10%, it is **41.0142, 0.2659, 0.2138**.

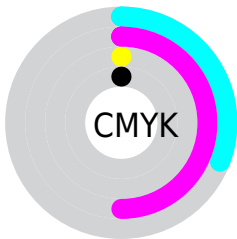
Distribution



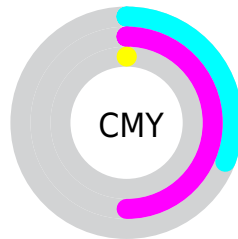
- Red (69%)
- Green (50%)
- Blue (100%)



- Red (69%)
- Yellow (50%)
- Blue (100%)



- Cyan (31%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6289, 0.2508, 0.1822 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 31.6289, 0.2508, 0.1822 by changing the saturation by 10% instead.


 31.6289, 0.2508,
0.1822


 31.6289, 0.2508,
0.1822


309.4253, 0.2842,
0.2500

 21.0782, 0.2422,
0.1673


 62.2289, 0.2632,
0.2054

 13.1812, 0.2311,
0.1495


 83.0469, 0.2679,
0.2145

 7.5534, 0.2165,
0.1280


 108.0562, 0.2717,
0.2224

 3.8106, 0.1967,
0.1020

137.6412, 0.2750,
0.2294

 1.5682, 0.1691,
0.0711

172.1862, 0.2778,
0.2355

 0.3360, 0.1315,
0.0285

212.0756, 0.2802,


 0.0000, 0.0644,


0.2409


0.0000

257.6938, 0.2823,
0.2457


 0.0000, 0.0000,
0.0000

 31.6289, 0.2508,
0.1822


 31.6289, 0.2508,
0.1822


 24.1238, 0.2350,
0.1520


 41.0142, 0.2659,
0.2138


 18.3624, 0.2191,
0.1249


 52.4004, 0.2799,
0.2451

 14.1903, 0.2041,
0.1026

 65.8991, 0.2923,
0.2751

 11.4241, 0.1908,
0.0865

 81.6133, 0.3032,
0.3030

 9.7892, 0.1798,
0.0764

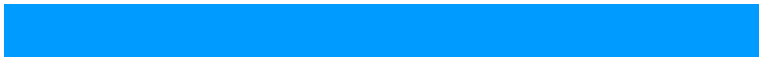
99.6390, 0.3126,
0.3285

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.



31.6289, 0.1755, 0.1690



31.6289, 0.2508, 0.1822



31.6289, 0.3621, 0.2218

Triad

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



31.6289, 0.2508, 0.1822



31.6289, 0.5117, 0.4280



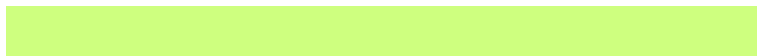
31.6289, 0.1657, 0.3547

Complementary

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



31.6289, 0.2508, 0.1822



86.1840, 0.3526, 0.4670

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.



31.6289, 0.2394, 0.4875



31.6289, 0.2508, 0.1822



31.6289, 0.4376, 0.5044

Square

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



31.6289, 0.2508, 0.1822



31.6289, 0.5323, 0.3518



31.6289, 0.3392, 0.5446



31.6289, 0.1336, 0.2438

Rectangle

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



31.6289, 0.2508, 0.1822



31.6289, 0.4412, 0.2602



31.6289, 0.3392, 0.5446



31.6289, 0.1858, 0.4008

Sweetspot

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



31.6293, 0.2508, 0.1822



73.7684, 0.2981, 0.2899



56.8818, 0.2360, 0.2718



15.0894, 0.2958, 0.2839



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.



31.6293, 0.2508, 0.1822



24.2482, 0.2353, 0.1525



40.5704, 0.3034, 0.2022



17.7162, 0.3039, 0.3049



5.1941, 0.1814, 0.0773



0.5662, 0.1939, 0.0842

Inverse Universe

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



40.9037, 0.3656, 0.2493



34.7710, 0.3809, 0.2364



78.9898, 0.3141, 0.4854



18.1757, 0.3197, 0.3144



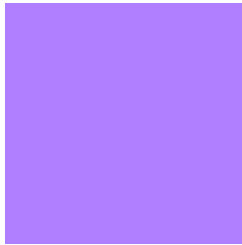
12.4197, 0.4472, 0.2237



1.2306, 0.4289, 0.2136

Previews

White Background



This preview shows how the Yxy color 31.6289, 0.2508, 0.1822 looks on a white background.

Color Contrast Check

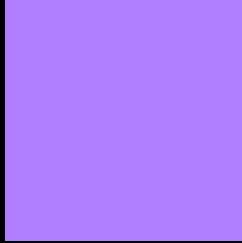
Large Text (above 18pt) WCAG AA × Fail

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 31.6289, 0.2508, 0.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

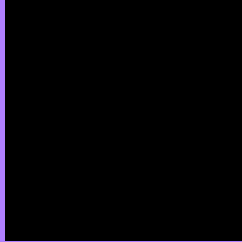
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6289, 0.2508, 0.1822

Background



This preview shows how black text looks on a background with the Yxy color 31.6289, 0.2508, 0.1822.

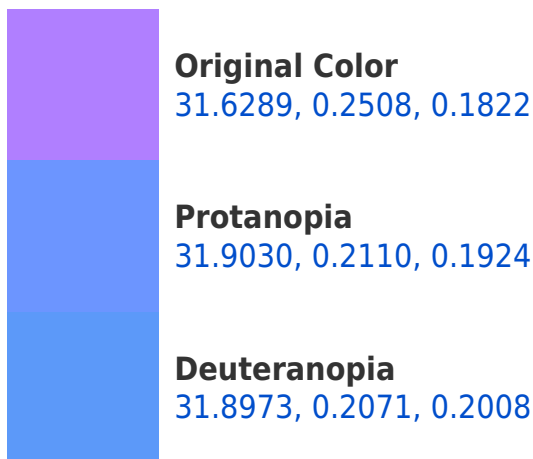


This preview shows how white text looks on a background with the Yxy color 31.6289, 0.2508, 0.1822.

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

31.6550, 0.3105, 0.3126

Trichromacy



Original Color

31.6289, 0.2508, 0.1822



Protanomaly

31.2563, 0.2228, 0.1870



Deuteranomaly

31.1225, 0.2194, 0.1920



Tritanomaly

31.2855, 0.2869, 0.2561

Monochromacy



Original Color

31.6289, 0.2508, 0.1822



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.8431, 0.2877, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6289, 0.2508, 0.1822 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(176, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.6289, 0.2508, 0.1822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

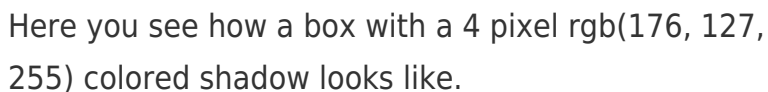
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 127, 255) }
```

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

```
.border{ border-color:rgb(176, 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(176, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 127, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 127, 255); box-shadow:4px 4px 4px 4px rgb(176, 127, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6289, 0.2508, 0.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 127, 255) }
```

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

```
.background{ background-color: rgb(176,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor