

Converting Colors

$Y_{xy}(34.9117, 0.2186, 0.1469)$

Have a look what the booklet for
Yxy(34.9117, 0.2186, 0.1469)
contains.

Yxy(31.0934, 0.2455, 0.1812)	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(31.0934, 0.2455, 0.1812)

Conversions

Conversions Part 1

Format	Color
Hex	A980FF
RGB	169, 128, 255
RGB Percent	66%, 50%, 100%
CMY	0.3373, 0.4980, 0.0001
CMYK	0.34, 0.50, 0.00, 0.00
HSL	259°, 100%, 75%
HSV	259°, 50%, 100%
XYZ	42.1271, 31.0934, 98.3766
YIQ	154.7370, -16.3310, 48.1890

Conversions

Conversions Part 2

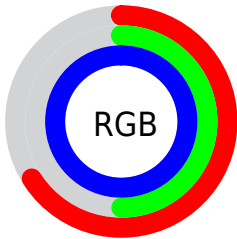
Format	Color
RYB	169, 128, 255
Decimal	11108607
CIELab	62.59, 42.49, -57.85
CIELCh	63, 71.780, 306.293
Yxy	31.0934, 0.2455, 0.1812
Android (android.graphics.Color)	4289298687 (0xFFA980FF)
YUV	154.7370, 49.4297, 12.5087
Hunter-Lab	55.7615, 37.2720, -65.5688

Details

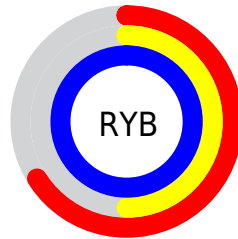
The Yxy color **31.0934, 0.2455, 0.1812** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **87.3676, 0.3575, 0.4635**, and the grayscale version is **32.4403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0068, 0.2946, 0.2527**, and **12.7837, 0.2245, 0.1478** is the 20% darker color. If you saturate the color by 10%, you get **23.4715, 0.2285, 0.1500**, and if you desaturate by 10%, it is **40.6408, 0.2619, 0.2136**.

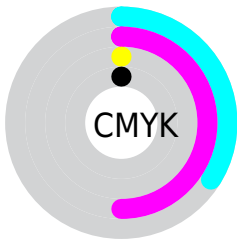
Distribution



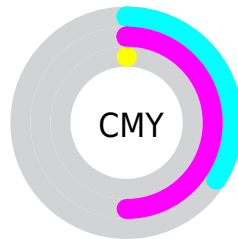
- Red (66%)
- Green (50%)
- Blue (100%)



- Red (66%)
- Yellow (50%)
- Blue (100%)



- Cyan (34%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0934, 0.2455, 0.1812 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 31.0934, 0.2455, 0.1812 by changing the saturation by 10% instead.


 31.0934, 0.2455,
0.1812


 31.0934, 0.2455,
0.1812


306.9684, 0.2815,
0.2497

 20.6700, 0.2363,
0.1662


 61.3871, 0.2589,
0.2046

 12.8830, 0.2245,
0.1481


 82.0262, 0.2638,
0.2139

 7.3480, 0.2090,
0.1263


 106.8392, 0.2680,
0.2219

 3.6807, 0.1881,
0.1000

136.2107, 0.2715,
0.2289

 1.4966, 0.1595,
0.0690

170.5249, 0.2745,
0.2350

 0.2863, 0.1210,
0.0247

210.1664, 0.2772,

 0.0000, 0.0469,

0.2405

0.0000

255.5194, 0.2795,
0.2454

0.0000, 0.0000,
0.0000

31.0934, 0.2455,
0.1812

31.0934, 0.2455,
0.1812

23.4715, 0.2285,
0.1500

40.6408, 0.2619,
0.2136

17.6343, 0.2116,
0.1219

52.2341, 0.2771,
0.2455

13.4265, 0.1959,
0.0989

65.9875, 0.2907,
0.2759

10.6629, 0.1824,
0.0822

82.0056, 0.3026,
0.3040

9.0530, 0.1715,
0.0719

99.9991, 0.3127,
0.3290

■ 9.0259, 0.1713,
0.0718

Harmonies

Analogous

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



31.0934, 0.1728, 0.1697



31.0934, 0.2455, 0.1812



31.0934, 0.3547, 0.2192

Triad

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



31.0934, 0.2455, 0.1812



31.0934, 0.5140, 0.4231



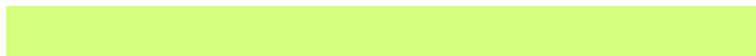
31.0934, 0.1696, 0.3627

Complementary

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



31.0934, 0.2455, 0.1812



87.3676, 0.3575, 0.4635

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.



31.0934, 0.2453, 0.4930



31.0934, 0.2455, 0.1812



31.0934, 0.4426, 0.4997

Square

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



31.0934, 0.2455, 0.1812



31.0934, 0.5301, 0.3475



31.0934, 0.3454, 0.5433



31.0934, 0.1351, 0.2494

Rectangle

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



31.0934, 0.2455, 0.1812



31.0934, 0.4339, 0.2568



31.0934, 0.3454, 0.5433



31.0934, 0.1905, 0.4087

Sweetspot

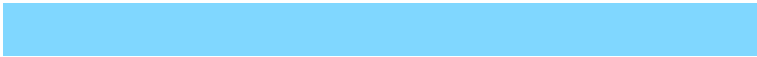
The Sweet Spot groups the original color and five complimentary colors.



31.0945, 0.2455, 0.1812



73.3904, 0.2966, 0.2897



60.2971, 0.2381, 0.2804



14.9990, 0.2940, 0.2837



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.



31.0945, 0.2455, 0.1812



23.3380, 0.2281, 0.1494



39.7677, 0.2979, 0.2010



17.6623, 0.3029, 0.3048



4.7877, 0.1729, 0.0726



0.5221, 0.1849, 0.0792

Inverse Universe

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



41.5546, 0.3571, 0.2429



35.2008, 0.3701, 0.2282



79.6771, 0.3176, 0.4823



18.1948, 0.3188, 0.3130



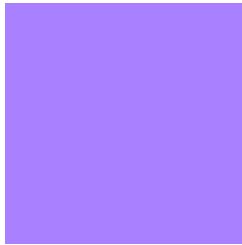
12.7079, 0.4236, 0.2107



1.2573, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 31.0934, 0.2455, 0.1812 looks on a white background.

Color Contrast Check

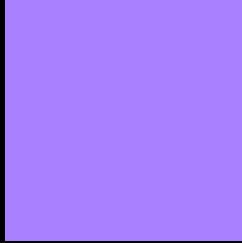
Large Text (above 18pt) WCAG AA × Fail

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 31.0934, 0.2455, 0.1812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

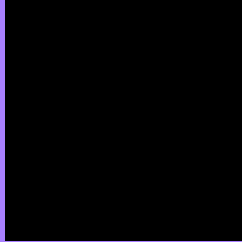
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0934, 0.2455, 0.1812

Background



This preview shows how black text looks on a background with the Yxy color 31.0934, 0.2455, 0.1812.



This preview shows how white text looks on a background with the Yxy color 31.0934, 0.2455, 0.1812.

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

31.0934, 0.2455, 0.1812

Protanopia

31.4031, 0.2092, 0.1906

Deuteranopia

31.4333, 0.2048, 0.1980



Tritanopia

30.9054, 0.3016, 0.3107

Trichromacy



Original Color

31.0934, 0.2455, 0.1812



Protanomaly

30.8589, 0.2198, 0.1859



Deuteranomaly

30.4551, 0.2153, 0.1888



Tritanomaly

30.4996, 0.2786, 0.2534

Monochromacy



Original Color

31.0934, 0.2455, 0.1812



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.4860, 0.2857, 0.2644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0934, 0.2455, 0.1812 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(169, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(169, 128, 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(169, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.0934, 0.2455, 0.1812 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(169, 128, 255) }
```

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

```
.border{ border-color:rgb(169, 128, 255) }
```

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

Here you see how a box with a 4 pixel rgb(169, 128, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(169, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0934, 0.2455, 0.1812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 128, 255) }
```

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

```
.background{ background-color: rgb(169,  
128, 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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