

Converting Colors

$Y_{xy}(19.7146, 0.2267, 0.1311)$

Have a look what the booklet for
Yxy(19.7146, 0.2267, 0.1311)
contains.

Yxy(19.7296, 0.2264, 0.1312)	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>	29

Color

Yxy(19.7296, 0.2264, 0.1312)

Conversions

Conversions Part 1

Format	Color
Hex	9950FF
RGB	153, 80, 255
RGB Percent	60%, 31%, 100%
CMY	0.4002, 0.6861, 0.0001
CMYK	0.40, 0.69, 0.00, 0.00
HSL	265°, 100%, 66%
HSV	265°, 69%, 100%
XYZ	34.0456, 19.7296, 96.6029
YIQ	121.7770, -12.6670, 69.9010

Conversions

Conversions Part 2

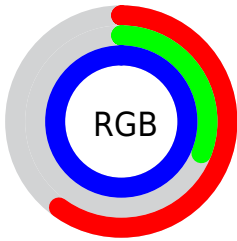
Format	Color
R _Y B	153, 80, 255
Decimal	10047743
CIE Lab	51.53, 64.02, -75.75
CIE LCh	52, 99.176, 310.202
Yxy	19.7296, 0.2264, 0.1312
Android (android.graphics.Color)	4288237823 (0xFF9950FF)
YUV	121.7770, 65.6789, 27.3826
Hunter-Lab	44.4180, 59.0854, -97.8547

Details

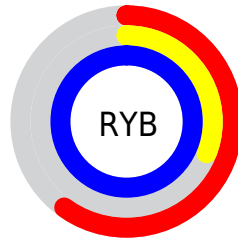
The Yxy color **19.7296, 0.2264, 0.1312** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **82.0395, 0.3554, 0.5160**, and the grayscale version is **19.1745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4163, 0.2819, 0.2005**, and **6.8803, 0.1970, 0.0917** is the 20% darker color. If you saturate the color by 10%, you get **15.3185, 0.2117, 0.1085**, and if you desaturate by 10%, it is **25.7381, 0.2416, 0.1584**.

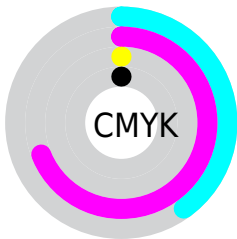
Distribution



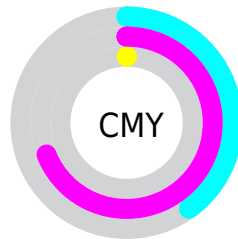
- Red (60%)
- Green (31%)
- Blue (100%)



- Red (60%)
- Yellow (31%)
- Blue (100%)



- Cyan (40%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7296, 0.2264, 0.1312 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 19.7296, 0.2264, 0.1312 by changing the saturation by 10% instead.


 19.7296, 0.2264,
0.1312

 19.7296, 0.2264,
0.1312


250.4475, 0.2754,
0.2211

 12.1986, 0.2135,
0.1128


 42.9634, 0.2449,
0.1610


 6.8791, 0.1970,
0.0917


 59.4350, 0.2517,
0.1731


 3.3866, 0.1756,
0.0679


 79.6556, 0.2574,
0.1837

 1.3367, 0.1475,
0.0425

 104.0096, 0.2621,
0.1930

 0.1694, 0.1122,
0.0092

 132.8814, 0.2662,
0.2012

 0.0000, 0.0660,
0.0000

166.6554, 0.2697,

 0.0000, 0.0000,

0.2086

0.0000

205.7160, 0.2727,
0.2152

■ 19.7296, 0.2264,
0.1312

■ 19.7296, 0.2264,
0.1312

■ 15.3185, 0.2117,
0.1085

■ 25.7381, 0.2416,
0.1584

■ 12.3264, 0.1983,
0.0916

■ 33.4919, 0.2567,
0.1884


■ 10.5053, 0.1868,
0.0807

■ 43.1233, 0.2708,
0.2195

■ 10.2994, 0.1853,
0.0795

■ 54.7511, 0.2838,
0.2504

■ 68.4841, 0.2953,
0.2798

 84.4229, 0.3053,
0.3073

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



19.7296, 0.1274, 0.1124



19.7296, 0.2264, 0.1312



19.7296, 0.3967, 0.1812

Triad

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



19.7296, 0.2264, 0.1312



19.7296, 0.5688, 0.4312



19.7296, 0.0950, 0.3403

Complementary

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



19.7296, 0.2264, 0.1312



82.0395, 0.3554, 0.5160

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.



19.7296, 0.1764, 0.5916



19.7296, 0.2264, 0.1312



19.7296, 0.4409, 0.5591

Square

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



19.7296, 0.2264, 0.1312



19.7296, 0.6338, 0.3331



19.7296, 0.3013, 0.6677



19.7296, 0.0708, 0.1839

Rectangle

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



19.7296, 0.2264, 0.1312



19.7296, 0.5242, 0.2289



19.7296, 0.3013, 0.6677



19.7296, 0.1149, 0.4218

Sweetspot

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



19.7302, 0.2264, 0.1312



65.0138, 0.2926, 0.2729



42.4184, 0.2102, 0.2340



13.0884, 0.2895, 0.2648



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.



19.7302, 0.2264, 0.1312



14.1568, 0.2070, 0.1021



31.5578, 0.3060, 0.1695



17.7476, 0.3044, 0.3049



5.4655, 0.1870, 0.0804



0.5945, 0.1996, 0.0873

Inverse Universe

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



30.3799, 0.4033, 0.2331



26.0278, 0.4295, 0.2269



74.4988, 0.3076, 0.5472



18.1648, 0.3202, 0.3152



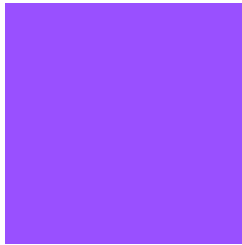
12.2684, 0.4614, 0.2315



1.2163, 0.4409, 0.2202

Previews

White Background



This preview shows how the Yxy color 19.7296, 0.2264, 0.1312 looks on a white background.

Color Contrast Check

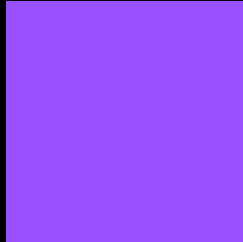
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7296, 0.2264, 0.1312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

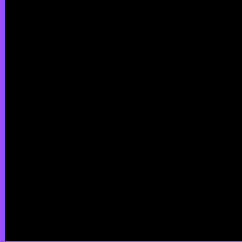
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7296, 0.2264, 0.1312

Background



This preview shows how black text looks on a background with the Yxy color 19.7296, 0.2264, 0.1312.

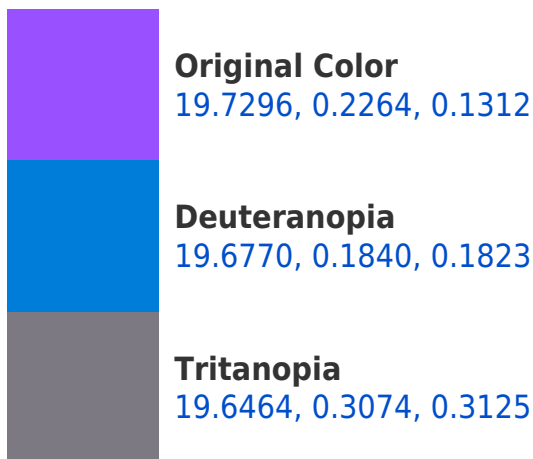


This preview shows how white text looks on a background with the Yxy color 19.7296, 0.2264, 0.1312.

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



Trichromacy



Original Color

19.7296, 0.2264, 0.1312



Deuteranomaly

17.5476, 0.1841, 0.1501



Tritanomaly

18.5541, 0.2712, 0.2199

Monochromacy



Original Color

19.7296, 0.2264, 0.1312



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4042, 0.2739, 0.2272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7296, 0.2264, 0.1312 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(153, 80, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 80, 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(153, 80, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 80, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7296, 0.2264, 0.1312 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(153, 80, 255) }
```

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

```
.border{ border-color:rgb(153, 80, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 80, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 80, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 80, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 80,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 19.7296, 0.2264, 0.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 80, 255) }
```

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

```
.background{ background-color: rgb(153, 80,  
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