

Converting Colors

$Y_{xy}(21.0736, 0.2231, 0.1279)$

Have a look what the booklet for
Yxy(21.0736, 0.2231, 0.1279)
contains.

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Color

Yxy(20.3225, 0.2291, 0.1339)

Conversions

Conversions Part 1

Format	Color
Hex	9C52FF
RGB	156, 82, 255
RGB Percent	61%, 32%, 100%
CMY	0.3883, 0.6783, 0.0001
CMYK	0.39, 0.68, 0.00, 0.00
HSL	266°, 100%, 66%
HSV	266°, 68%, 100%
XYZ	34.7714, 20.3225, 96.6799
YIQ	123.8480, -11.4290, 69.4910

Conversions

Conversions Part 2

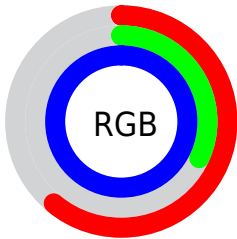
Format	Color
R _Y B	156, 82, 255
Decimal	10244863
CIE _{Lab}	52.20, 63.64, -74.64
CIE _{LCh}	52, 98.088, 310.448
Y _{xy}	20.3225, 0.2291, 0.1339
Android (android.graphics.Color)	4288434943 (0xFF9C52FF)
Y _{UV}	123.8480, 64.6579, 28.1973
Hunter-Lab	45.0805, 58.7893, -95.5973

Details

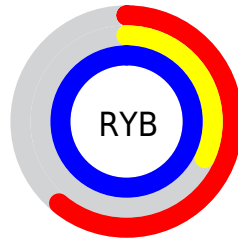
The Yxy color **20.3225, 0.2291, 0.1339** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.9433, 0.3541, 0.5150**, and the grayscale version is **19.8894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4272, 0.2845, 0.2033**, and **7.2133, 0.2010, 0.0951** is the 20% darker color. If you saturate the color by 10%, you get **15.7950, 0.2145, 0.1110**, and if you desaturate by 10%, it is **26.4540, 0.2441, 0.1612**.

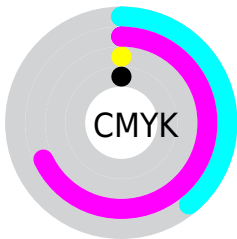
Distribution



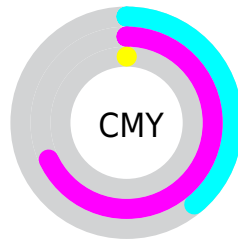
- Red (61%)
- Green (32%)
- Blue (100%)



- Red (61%)
- Yellow (32%)
- Blue (100%)



- Cyan (39%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)





- Cyan (39%)
- Magenta (68%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3225, 0.2291, 0.1339 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 20.3225, 0.2291, 0.1339 by changing the saturation by 10% instead.


 20.3225, 0.2291,
0.1339


 20.3225, 0.2291,
0.1339

253.6557, 0.2765,
0.2226


 12.6297, 0.2166,
0.1156


 43.9572, 0.2471,
0.1634


 7.1740, 0.2005,
0.0946


 60.6679, 0.2537,
0.1753


 3.5712, 0.1796,
0.0709


 81.1534, 0.2591,
0.1857

 1.4367, 0.1521,
0.0452

 105.7980, 0.2637,
0.1949

 0.2435, 0.1170,
0.0131

 134.9861, 0.2677,
0.2031

 0.0000, 0.0714,
0.0000

169.1022, 0.2710,

 0.0000, 0.0000,

0.2103

0.0000

208.5306, 0.2740,
0.2168

■ 20.3225, 0.2291,
0.1339

■ 20.3225, 0.2291,
0.1339

■ 15.7950, 0.2145,
0.1110

■ 26.4540, 0.2441,
0.1612

■ 12.6961, 0.2011,
0.0937

■ 34.3353, 0.2588,
0.1912

■ 10.7963, 0.1895,
0.0824

■ 44.0973, 0.2727,
0.2222

■ 10.4716, 0.1871,
0.0805

■ 55.8577, 0.2853,
0.2528

■ 69.7240, 0.2964,
0.2821

 85.7962, 0.3061,
0.3093

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



20.3225, 0.1303, 0.1149



20.3225, 0.2291, 0.1339



20.3225, 0.3970, 0.1839

Triad

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



20.3225, 0.2291, 0.1339



20.3225, 0.5663, 0.4337



20.3225, 0.0977, 0.3390

Complementary

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



20.3225, 0.2291, 0.1339



81.9433, 0.3541, 0.5150

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.



20.3225, 0.1787, 0.5834



20.3225, 0.2291, 0.1339



20.3225, 0.4408, 0.5592

Square

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



20.3225, 0.2291, 0.1339



20.3225, 0.6290, 0.3357



20.3225, 0.3027, 0.6622



20.3225, 0.0734, 0.1859

Rectangle

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



20.3225, 0.2291, 0.1339



20.3225, 0.5216, 0.2314



20.3225, 0.3027, 0.6622



20.3225, 0.1176, 0.4182

Sweetspot

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



20.3232, 0.2291, 0.1339



66.5433, 0.2941, 0.2759



42.8459, 0.2111, 0.2353



13.3903, 0.2911, 0.2677



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.



20.3232, 0.2291, 0.1339



14.6698, 0.2101, 0.1048



31.8818, 0.3062, 0.1707



17.7574, 0.3046, 0.3049



5.5565, 0.1888, 0.0814



0.6039, 0.2014, 0.0883

Inverse Universe

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



30.6319, 0.4043, 0.2355



26.1891, 0.4309, 0.2291



74.6271, 0.3078, 0.5449



18.1614, 0.3204, 0.3155



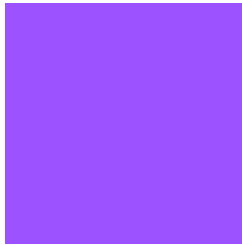
12.2231, 0.4659, 0.2340



1.2120, 0.4447, 0.2223

Previews

White Background



This preview shows how the Yxy color 20.3225, 0.2291, 0.1339 looks on a white background.

Color Contrast Check

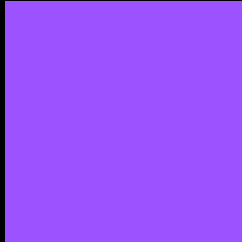
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3225, 0.2291, 0.1339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

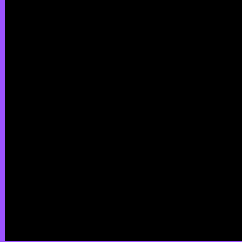
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3225, 0.2291, 0.1339

Background



This preview shows how black text looks on a background with the Yxy color 20.3225, 0.2291, 0.1339.

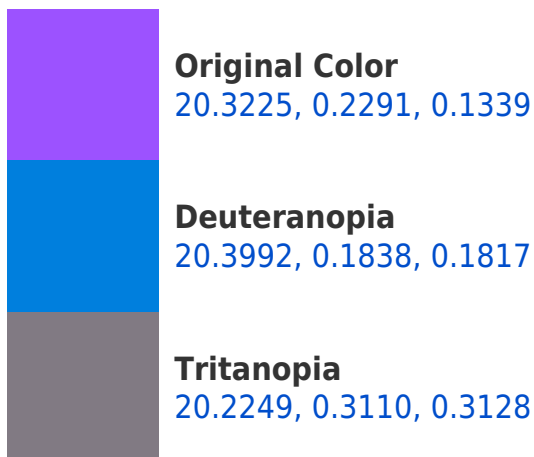


This preview shows how white text looks on a background with the Yxy color 20.3225, 0.2291, 0.1339.

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

20.3225, 0.2291, 0.1339



Deuteranomaly

18.1219, 0.1846, 0.1515



Tritanomaly

19.1389, 0.2748, 0.2215

Monochromacy



Original Color

20.3225, 0.2291, 0.1339



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.1501, 0.2755, 0.2287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3225, 0.2291, 0.1339 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(156, 82, 255)` looks like.

```
.text, #text, p{  
  color:rgb(156, 82, 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(156, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 82, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.3225, 0.2291, 0.1339 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(156, 82, 255) }
```

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

```
.border{ border-color:rgb(156, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(156, 82,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 20.3225, 0.2291, 0.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 82, 255) }
```

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

```
.background{ background-color: rgb(156, 82,  
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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