

Converting Colors

$Y_{xy}(20.8258, 0.2214, 0.1378)$

Have a look what the booklet for
Yxy(20.8258, 0.2214, 0.1378)
contains.

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Color

Yxy(20.8940, 0.2217, 0.1381)

Conversions

Conversions Part 1

Format	Color
Hex	915CFF
RGB	145, 92, 255
RGB Percent	57%, 36%, 100%
CMY	0.4316, 0.6390, 0.0001
CMYK	0.43, 0.64, 0.00, 0.00
HSL	259°, 100%, 68%
HSV	259°, 64%, 100%
XYZ	33.5424, 20.8940, 96.8598
YIQ	126.4290, -20.7350, 61.9290

Conversions

Conversions Part 2

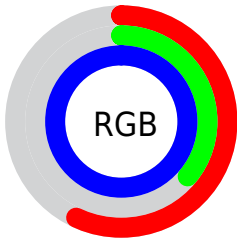
Format	Color
R_{YB}	145, 92, 255
Decimal	9526527
CIE _{Lab}	52.83, 56.64, -73.67
CIE _{LCh}	53, 92.929, 307.554
Yxy	20.8940, 0.2217, 0.1381
Android (android.graphics.Color)	4287716607 (0xFF915CFF)
YUV	126.4290, 63.3855, 16.2868
Hunter-Lab	45.7100, 50.9924, -93.6391

Details

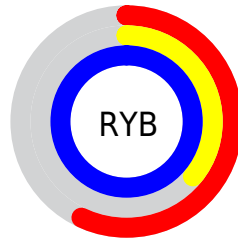
The Yxy color **20.8940, 0.2217, 0.1381** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **84.8548, 0.3648, 0.4986**, and the grayscale version is **20.8045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4499, 0.2759, 0.2091**, and **7.4336, 0.1922, 0.0986** is the 20% darker color. If you saturate the color by 10%, you get **15.7463, 0.2052, 0.1119**, and if you desaturate by 10%, it is **27.7662, 0.2387, 0.1682**.

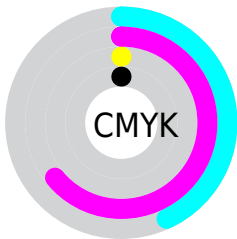
Distribution



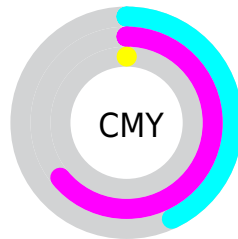
- Red (57%)
- Green (36%)
- Blue (100%)



- Red (57%)
- Yellow (36%)
- Blue (100%)



- Cyan (43%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8940, 0.2217, 0.1381 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 20.8940, 0.2217, 0.1381 by changing the saturation by 10% instead.


 20.8940, 0.2217,
0.1381


 20.8940, 0.2217,
0.1381


256.7146, 0.2722,
0.2257


 13.0465, 0.2086,
0.1199


 44.9111, 0.2406,
0.1674

 7.4606, 0.1920,
0.0988


 61.8494, 0.2476,
0.1792

 3.7518, 0.1705,
0.0748


 82.5869, 0.2535,
0.1894

 1.5357, 0.1425,
0.0486

 107.5079, 0.2584,
0.1985

 0.3137, 0.1071,
0.0169

136.9968, 0.2626,
0.2065

 0.0000, 0.0617,
0.0000

171.4379, 0.2663,

 0.0000, 0.0000,

0.2136

0.0000

211.2157, 0.2694,
0.2199

■ 20.8940, 0.2217,
0.1381

■ 20.8940, 0.2217,
0.1381

■ 15.7463, 0.2052,
0.1119

■ 27.7662, 0.2387,
0.1682

■ 12.1545, 0.1903,
0.0913

■ 36.5053, 0.2554,
0.2003

■ 9.9173, 0.1779,
0.0775

■ 47.2408, 0.2711,
0.2326

■ 9.0471, 0.1716,
0.0719

■ 60.0896, 0.2854,
0.2637

■ 75.1597, 0.2979,
0.2928

92.5514, 0.3089,
0.3194

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



20.8940, 0.1312, 0.1223



20.8940, 0.2217, 0.1381



20.8940, 0.3757, 0.1844

Triad

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



20.8940, 0.2217, 0.1381



20.8940, 0.5673, 0.4253



20.8940, 0.1124, 0.3607

Complementary

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



20.8940, 0.2217, 0.1381



84.8548, 0.3648, 0.4986

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.



20.8940, 0.1987, 0.5827



20.8940, 0.2217, 0.1381



20.8940, 0.4559, 0.5441

Square

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



20.8940, 0.2217, 0.1381



20.8940, 0.6154, 0.3328



20.8940, 0.3221, 0.6399



20.8940, 0.0822, 0.2035

Rectangle

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



20.8940, 0.2217, 0.1381



20.8940, 0.4942, 0.2297



20.8940, 0.3221, 0.6399



20.8940, 0.1345, 0.4364

Sweetspot

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



20.8947, 0.2217, 0.1381



67.2010, 0.2917, 0.2782



52.3920, 0.2210, 0.2637



13.4824, 0.2881, 0.2698



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.



20.8947, 0.2217, 0.1381



14.4773, 0.2004, 0.1048



30.9070, 0.2916, 0.1702



17.6639, 0.3030, 0.3048



4.7991, 0.1731, 0.0727



0.5234, 0.1852, 0.0794

Inverse Universe

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



33.1885, 0.3758, 0.2237



28.1257, 0.3942, 0.2123



76.4156, 0.3161, 0.5285



18.1942, 0.3188, 0.3131



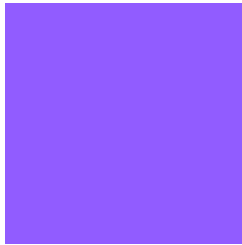
12.6985, 0.4243, 0.2111



1.2565, 0.4095, 0.2029

Previews

White Background



This preview shows how the Yxy color 20.8940, 0.2217, 0.1381 looks on a white background.

Color Contrast Check

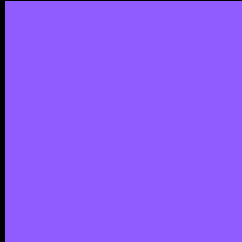
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8940, 0.2217, 0.1381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

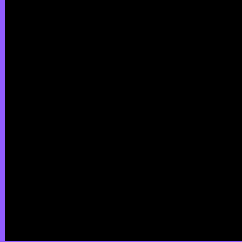
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8940, 0.2217, 0.1381

Background



This preview shows how black text looks on a background with the Yxy color 20.8940, 0.2217, 0.1381.



This preview shows how white text looks on a background with the Yxy color 20.8940, 0.2217, 0.1381.

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

20.8940, 0.2217, 0.1381

Protanopia

21.0769, 0.1757, 0.1467

Deuteranopia

21.0823, 0.1839, 0.1820



Tritanopia

20.6979, 0.2897, 0.3105

Trichromacy



Original Color

20.8940, 0.2217, 0.1381



Protanomaly

19.5652, 0.1820, 0.1373



Deuteranomaly

19.2458, 0.1845, 0.1564



Tritanomaly

19.8419, 0.2595, 0.2238

Monochromacy



Original Color

20.8940, 0.2217, 0.1381



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

20.0383, 0.2719, 0.2345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8940, 0.2217, 0.1381 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(145, 92, 255)` looks like.

```
.text, #text, p{  
  color:rgb(145, 92, 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(145, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 92, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.8940, 0.2217, 0.1381 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(145, 92, 255) }
```

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

```
.border{ border-color:rgb(145, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 92,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8940, 0.2217, 0.1381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 92, 255) }
```

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

```
.background{ background-color: rgb(145, 92,  
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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