

Converting Colors

$Y_{xy}(20.6198, 0.2163, 0.1375)$

Have a look what the booklet for
Yxy(20.6198, 0.2163, 0.1375)
contains.

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Color

Yxy(20.5438, 0.2161, 0.1372)

Conversions

Conversions Part 1

Format	Color
Hex	895EFF
RGB	137, 94, 255
RGB Percent	54%, 37%, 100%
CMY	0.4629, 0.6312, 0.0002
CMYK	0.46, 0.63, 0.00, 0.00
HSL	256°, 100%, 68%
HSV	256°, 63%, 100%
XYZ	32.3580, 20.5438, 96.8344
YIQ	125.2110, -26.0530, 59.1870

Conversions

Conversions Part 2

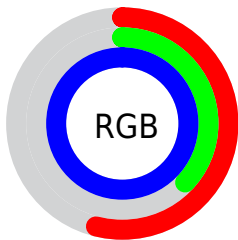
Format	Color
R _Y B	137, 94, 255
Decimal	9002751
CIE Lab	52.45, 54.10, -74.32
CIE LCh	52, 91.926, 306.051
Yxy	20.5438, 0.2161, 0.1372
Android (android.graphics.Color)	4287192831 (0xFF895EFF)
YUV	125.2110, 63.9860, 10.3390
Hunter-Lab	45.3253, 48.1130, -94.9414

Details

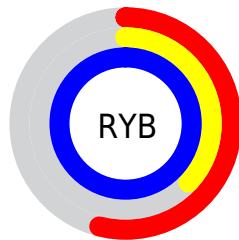
The Yxy color **20.5438, 0.2161, 0.1372** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **86.3080, 0.3709, 0.4930**, and the grayscale version is **20.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6481, 0.2695, 0.2081**, and **7.2884, 0.1850, 0.0977** is the 20% darker color. If you saturate the color by 10%, you get **15.2874, 0.1989, 0.1100**, and if you desaturate by 10%, it is **27.5721, 0.2341, 0.1683**.

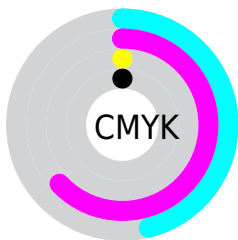
Distribution



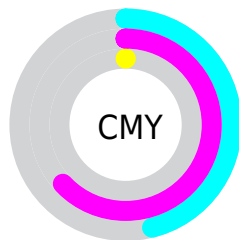
- Red (54%)
- Green (37%)
- Blue (100%)



- Red (54%)
- Yellow (37%)
- Blue (100%)



- Cyan (46%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5438, 0.2161, 0.1372 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 20.5438, 0.2161, 0.1372 by changing the saturation by 10% instead.


 20.5438, 0.2161,
0.1372


 20.5438, 0.2161,
0.1372


254.8440, 0.2693,
0.2254


 12.7909, 0.2025,
0.1188

 44.3270, 0.2360,
0.1667

 7.2848, 0.1852,
0.0976


 61.1262, 0.2433,
0.1786

 3.6408, 0.1630,
0.0735


 81.7096, 0.2495,
0.1890

 1.4747, 0.1344,
0.0472

 106.4617, 0.2547,
0.1981

 0.2708, 0.0988,
0.0148

135.7667, 0.2591,
0.2061

 0.0000, 0.0522,
0.0000

170.0092, 0.2630,

 0.0000, 0.0000,

0.2133

0.0000

209.5735, 0.2664,
0.2197

■ 20.5438, 0.2161,
0.1372

■ 20.5438, 0.2161,
0.1372

■ 15.2874, 0.1989,
0.1100

■ 27.5721, 0.2341,
0.1683

■ 11.6330, 0.1837,
0.0886

■ 36.5166, 0.2519,
0.2013


■ 9.3790, 0.1714,
0.0743

■ 47.5085, 0.2687,
0.2341

■ 8.4462, 0.1647,
0.0681

■ 60.6668, 0.2840,
0.2656

■ 76.1010, 0.2976,
0.2948

 93.9134, 0.3094,
0.3213

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



20.5438, 0.1288, 0.1230



20.5438, 0.2161, 0.1372



20.5438, 0.3666, 0.1819

Triad

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



20.5438, 0.2161, 0.1372



20.5438, 0.5707, 0.4201



20.5438, 0.1161, 0.3715

Complementary

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



20.5438, 0.2161, 0.1372



86.3080, 0.3709, 0.4930

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.



20.5438, 0.2051, 0.5897



20.5438, 0.2161, 0.1372



20.5438, 0.4623, 0.5377

Square

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



20.5438, 0.2161, 0.1372



20.5438, 0.6139, 0.3292



20.5438, 0.3291, 0.6358



20.5438, 0.0833, 0.2094

Rectangle

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



20.5438, 0.2161, 0.1372



20.5438, 0.4850, 0.2265



20.5438, 0.3291, 0.6358



20.5438, 0.1393, 0.4476

Sweetspot

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



20.5444, 0.2161, 0.1372



66.7611, 0.2898, 0.2779



56.7106, 0.2244, 0.2753



13.3774, 0.2858, 0.2694



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.



20.5444, 0.2161, 0.1372



14.0818, 0.1943, 0.1031



30.0450, 0.2845, 0.1683



17.6120, 0.3020, 0.3047



4.4765, 0.1661, 0.0689



0.4865, 0.1773, 0.0750

Inverse Universe

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



34.0208, 0.3638, 0.2167



28.9458, 0.3781, 0.2036



77.1764, 0.3204, 0.5236



18.2128, 0.3179, 0.3117



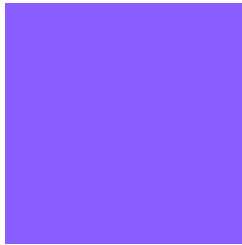
13.0096, 0.4025, 0.1991



1.2848, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 20.5438, 0.2161, 0.1372 looks on a white background.

Color Contrast Check

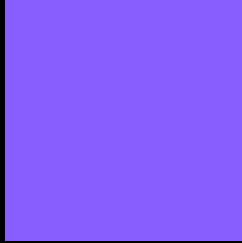
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5438, 0.2161, 0.1372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

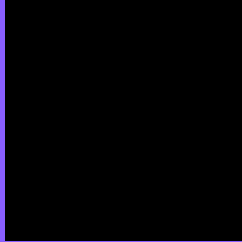
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5438, 0.2161, 0.1372

Background



This preview shows how black text looks on a background with the Yxy color 20.5438, 0.2161, 0.1372.



This preview shows how white text looks on a background with the Yxy color 20.5438, 0.2161, 0.1372.

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

20.5438, 0.2161, 0.1372

Protanopia

20.6594, 0.1736, 0.1447

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.3375, 0.2782, 0.3100

Trichromacy



Original Color

20.5438, 0.2161, 0.1372



Protanomaly

19.2670, 0.1773, 0.1363



Deuteranomaly

19.1094, 0.1839, 0.1568



Tritanomaly

19.6089, 0.2495, 0.2231

Monochromacy



Original Color

20.5438, 0.2161, 0.1372



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.6803, 0.2686, 0.2347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5438, 0.2161, 0.1372 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(137, 94, 255)` looks like.

```
.text, #text, p{  
  color:rgb(137, 94, 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(137, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 94, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.5438, 0.2161, 0.1372 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(137, 94, 255) }
```

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

```
.border{ border-color:rgb(137, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 94,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5438, 0.2161, 0.1372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 94, 255) }
```

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

```
.background{ background-color: rgb(137, 94,  
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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