

Converting Colors

$Y_{xy}(21.1259, 0.2040, 0.1205)$

Have a look what the booklet for
Yxy(21.1259, 0.2040, 0.1205)
contains.

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Color

Yxy(19.5157, 0.2138, 0.1320)

Conversions

Conversions Part 1

Format	Color
Hex	8759FF
RGB	135, 89, 255
RGB Percent	53%, 35%, 100%
CMY	0.4708, 0.6509, 0.0000
CMYK	0.47, 0.65, 0.00, 0.00
HSL	257°, 100%, 67%
HSV	257°, 65%, 100%
XYZ	31.6095, 19.5157, 96.7210
YIQ	121.6780, -25.8700, 61.3780

Conversions

Conversions Part 2

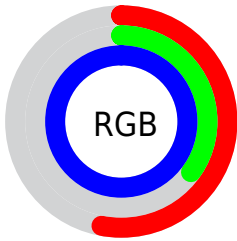
Format	Color
R _Y B	135, 89, 255
Decimal	8870399
CIE Lab	51.29, 56.39, -76.25
CIE LCh	51, 94.837, 306.486
Yxy	19.5157, 0.2138, 0.1320
Android (android.graphics.Color)	4287060479 (0xFF8759FF)
YUV	121.6780, 65.7277, 11.6834
Hunter-Lab	44.1766, 50.4125, -98.8870

Details

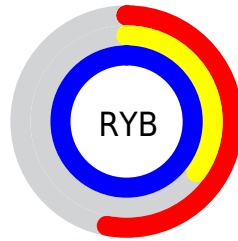
The Yxy color **19.5157, 0.2138, 0.1320** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **85.8072, 0.3707, 0.4979**, and the grayscale version is **19.1400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0055, 0.2683, 0.2025**, and **6.7570, 0.1818, 0.0919** is the 20% darker color. If you saturate the color by 10%, you get **14.5810, 0.1970, 0.1059**, and if you desaturate by 10%, it is **26.1836, 0.2316, 0.1624**.

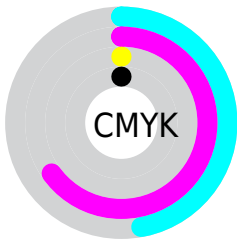
Distribution



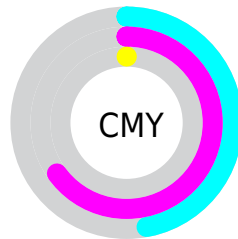
- Red (53%)
- Green (35%)
- Blue (100%)



- Red (53%)
- Yellow (35%)
- Blue (100%)



- Cyan (47%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5157, 0.2138, 0.1320 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 19.5157, 0.2138, 0.1320 by changing the saturation by 10% instead.


 19.5157, 0.2138,
0.1320


 19.5157, 0.2138,
0.1320


249.2811, 0.2686,
0.2223


 12.0435, 0.1997,
0.1134


 42.6037, 0.2343,
0.1621

 6.7733, 0.1820,
0.0920


 58.9883, 0.2418,
0.1743

 3.3207, 0.1592,
0.0679


 79.1125, 0.2482,
0.1849

 1.3014, 0.1300,
0.0422

 103.3607, 0.2535,
0.1942

 0.1423, 0.0943,
0.0079

132.1172, 0.2581,
0.2025

 0.0000, 0.0460,
0.0000

165.7666, 0.2621,

 0.0000, 0.0000,

0.2098

0.0000

204.6931, 0.2655,
0.2164

■ 19.5157, 0.2138,
0.1320

■ 19.5157, 0.2138,
0.1320

■ 14.5810, 0.1970,
0.1059

■ 26.1836, 0.2316,
0.1624

■ 11.2079, 0.1823,
0.0859

■ 34.7350, 0.2493,
0.1950

■ 9.1848, 0.1705,
0.0730

■ 45.3025, 0.2662,
0.2279

■ 8.5432, 0.1658,
0.0687

■ 58.0066, 0.2816,
0.2597

■ 72.9582, 0.2953,
0.2893

90.2604, 0.3073,
0.3163

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



19.5157, 0.1241, 0.1171



19.5157, 0.2138, 0.1320



19.5157, 0.3710, 0.1777

Triad

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



19.5157, 0.2138, 0.1320



19.5157, 0.5773, 0.4205



19.5157, 0.1078, 0.3688

Complementary

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



19.5157, 0.2138, 0.1320



85.8072, 0.3707, 0.4979

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.



19.5157, 0.1966, 0.6026



19.5157, 0.2138, 0.1320



19.5157, 0.4592, 0.5408

Square

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



19.5157, 0.2138, 0.1320



19.5157, 0.6252, 0.3266



19.5157, 0.3225, 0.6492



19.5157, 0.0768, 0.2018

Rectangle

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



19.5157, 0.2138, 0.1320



19.5157, 0.4952, 0.2233



19.5157, 0.3225, 0.6492



19.5157, 0.1306, 0.4497

Sweetspot

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



19.5153, 0.2138, 0.1320



65.3285, 0.2888, 0.2750



55.8040, 0.2223, 0.2733



13.1019, 0.2849, 0.2666



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.



19.5153, 0.2138, 0.1320



13.4466, 0.1924, 0.0994



29.0088, 0.2833, 0.1643



17.6210, 0.3022, 0.3047



4.5274, 0.1672, 0.0695



0.4925, 0.1786, 0.0758

Inverse Universe

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



33.0154, 0.3679, 0.2156



28.2663, 0.3829, 0.2039



76.8115, 0.3200, 0.5295



18.2096, 0.3181, 0.3120



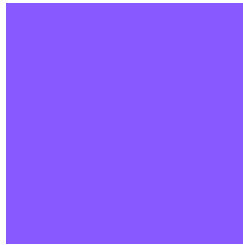
12.9533, 0.4062, 0.2011



1.2797, 0.3942, 0.1945

Previews

White Background



This preview shows how the Yxy color 19.5157, 0.2138, 0.1320 looks on a white background.

Color Contrast Check

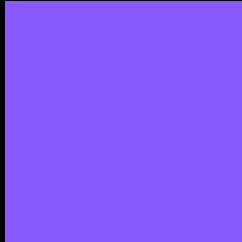
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5157, 0.2138, 0.1320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

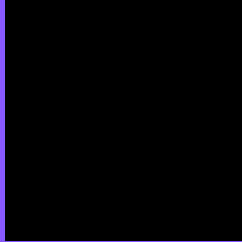
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5157, 0.2138, 0.1320

Background



This preview shows how black text looks on a background with the Yxy color 19.5157, 0.2138, 0.1320.

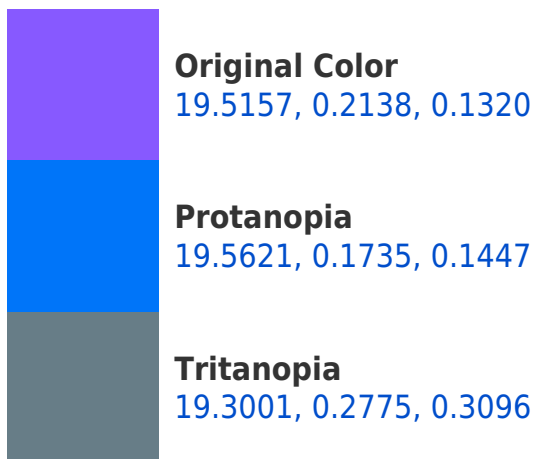


This preview shows how white text looks on a background with the Yxy color 19.5157, 0.2138, 0.1320.

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

19.5157, 0.2138, 0.1320



Protanomaly

18.1334, 0.1766, 0.1338



Tritanomaly

18.4879, 0.2482, 0.2185

Monochromacy



Original Color

19.5157, 0.2138, 0.1320



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.5662, 0.2677, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5157, 0.2138, 0.1320 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(135, 89, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 89, 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(135, 89, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 89, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.5157, 0.2138, 0.1320 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(135, 89, 255) }
```

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

```
.border{ border-color:rgb(135, 89, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 89, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 89, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 89, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 89,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 19.5157, 0.2138, 0.1320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 89, 255) }
```

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

```
.background{ background-color: rgb(135, 89,  
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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