

Converting Colors

$Y_{xy}(20.0194, 0.2214, 0.1299)$

Have a look what the booklet for
Yxy(20.0194, 0.2214, 0.1299)
contains.

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Color

Yxy(19.7961, 0.2236, 0.1320)

Conversions

Conversions Part 1

Format	Color
Hex	9553FF
RGB	149, 83, 255
RGB Percent	58%, 33%, 100%
CMY	0.4157, 0.6744, 0.0001
CMYK	0.42, 0.67, 0.00, 0.00
HSL	263°, 100%, 66%
HSV	263°, 67%, 100%
XYZ	33.5334, 19.7961, 96.6410
YIQ	122.3420, -15.8760, 67.4840

Conversions

Conversions Part 2

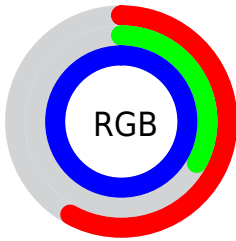
Format	Color
R _Y B	149, 83, 255
Decimal	9786367
CIE Lab	51.61, 61.90, -75.64
CIE LCh	52, 97.742, 309.294
Yxy	19.7961, 0.2236, 0.1320
Android (android.graphics.Color)	4287976447 (0xFF9553FF)
YUV	122.3420, 65.4004, 23.3791
Hunter-Lab	44.4928, 56.6697, -97.6364

Details

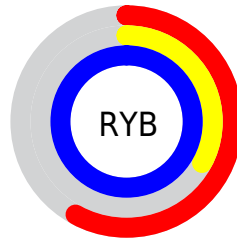
The Yxy color **19.7961, 0.2236, 0.1320** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **82.9482, 0.3590, 0.5108**, and the grayscale version is **19.3678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6666, 0.2787, 0.2022**, and **6.9364, 0.1940, 0.0927** is the 20% darker color. If you saturate the color by 10%, you get **15.2058, 0.2083, 0.1083**, and if you desaturate by 10%, it is **26.0207, 0.2395, 0.1601**.

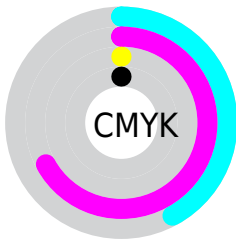
Distribution



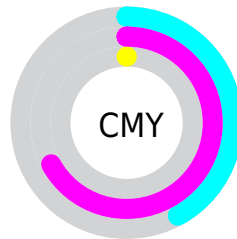
- Red (58%)
- Green (33%)
- Blue (100%)



- Red (58%)
- Yellow (33%)
- Blue (100%)



- Cyan (42%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7961, 0.2236, 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 19.7961, 0.2236, 0.1320 by changing the saturation by 10% instead.


 19.7961, 0.2236,
0.1320

 19.7961, 0.2236,
0.1320


250.8091, 0.2738,
0.2218


 12.2469, 0.2105,
0.1136


 43.0751, 0.2425,
0.1618


 6.9121, 0.1937,
0.0924


 59.5736, 0.2495,
0.1739


 3.4072, 0.1720,
0.0686


 79.8241, 0.2553,
0.1845

 1.3478, 0.1437,
0.0430

 104.2109, 0.2602,
0.1937

 0.1778, 0.1082,
0.0097

 133.1184, 0.2644,
0.2020

 0.0000, 0.0619,
0.0000

166.9310, 0.2679,

 0.0000, 0.0000,

0.2093

0.0000

206.0331, 0.2711,
0.2159

■ 19.7961, 0.2236,
0.1320

■ 19.7961, 0.2236,
0.1320

■ 15.2058, 0.2083,
0.1083

■ 26.0207, 0.2395,
0.1601

■ 12.0740, 0.1944,
0.0904

■ 34.0263, 0.2552,
0.1909


■ 10.1763, 0.1827,
0.0788

■ 43.9448, 0.2700,
0.2225

■ 9.8058, 0.1800,
0.0765

■ 55.8947, 0.2835,
0.2535

■ 69.9848, 0.2955,
0.2830

 86.3158, 0.3059,
0.3103

99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



19.7961, 0.1271, 0.1142



19.7961, 0.2236, 0.1320



19.7961, 0.3899, 0.1809

Triad

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



19.7961, 0.2236, 0.1320



19.7961, 0.5709, 0.4291



19.7961, 0.0989, 0.3474

Complementary

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



19.7961, 0.2236, 0.1320



82.9482, 0.3590, 0.5108

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.



19.7961, 0.1822, 0.5930



19.7961, 0.2236, 0.1320



19.7961, 0.4457, 0.5543

Square

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



19.7961, 0.2236, 0.1320



19.7961, 0.6307, 0.3320



19.7961, 0.3072, 0.6616



19.7961, 0.0729, 0.1889

Rectangle

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



19.7961, 0.2236, 0.1320



19.7961, 0.5160, 0.2280



19.7961, 0.3072, 0.6616



19.7961, 0.1195, 0.4284

Sweetspot

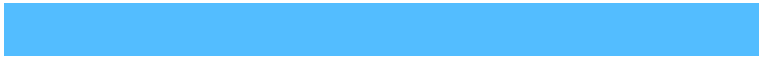
The Sweet Spot groups the original color and five complimentary colors.



19.7967, 0.2236, 0.1320



66.1841, 0.2926, 0.2756



45.4786, 0.2135, 0.2438



13.3048, 0.2892, 0.2674



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.



19.7967, 0.2236, 0.1320



13.9370, 0.2032, 0.1012



31.0551, 0.3008, 0.1687



17.7174, 0.3039, 0.3049



5.2040, 0.1816, 0.0774



0.5672, 0.1941, 0.0843

Inverse Universe

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



31.1186, 0.3936, 0.2289



26.5356, 0.4174, 0.2210



75.0179, 0.3102, 0.5423



18.1753, 0.3197, 0.3145



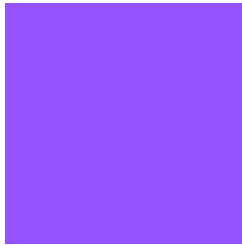
12.4137, 0.4478, 0.2240



1.2300, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 19.7961, 0.2236, 0.1320 looks on a white background.

Color Contrast Check

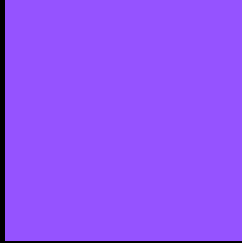
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7961, 0.2236, 0.1320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

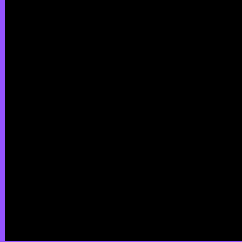
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7961, 0.2236, 0.1320

Background



This preview shows how black text looks on a background with the Yxy color 19.7961, 0.2236, 0.1320.



This preview shows how white text looks on a background with the Yxy color 19.7961, 0.2236, 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



Original Color

19.7961, 0.2236, 0.1320

Protanopia

19.9219, 0.1735, 0.1447

Deuteranopia

19.9837, 0.1842, 0.1830



Tritanopia

19.6500, 0.3004, 0.3105

Trichromacy



Original Color

19.7961, 0.2236, 0.1320



Protanomaly

17.9157, 0.1771, 0.1314



Deuteranomaly

17.7057, 0.1838, 0.1512



Tritanomaly

18.7247, 0.2653, 0.2193

Monochromacy



Original Color

19.7961, 0.2236, 0.1320



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.5329, 0.2729, 0.2285

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7961, 0.2236, 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(149, 83, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 83, 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(149, 83, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 83, 255) }
```

Border

The CSS property to change the border of an element to Yxy 19.7961, 0.2236, 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(149, 83, 255) }
```

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

```
.border{ border-color:rgb(149, 83, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 83, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 83, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 83, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 83,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7961, 0.2236, 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(149, 83, 255) }
```

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

```
.background{ background-color: rgb(149, 83,  
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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