

Converting Colors

$Y_{xy}(20.3369, 0.2205, 0.1334)$

Have a look what the booklet for
Yxy(20.3369, 0.2205, 0.1334)
contains.

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Color

Yxy(20.3104, 0.2219, 0.1350)

Conversions

Conversions Part 1

Format	Color
Hex	9258FF
RGB	146, 88, 255
RGB Percent	57%, 35%, 100%
CMY	0.4276, 0.6548, 0.0001
CMYK	0.43, 0.65, 0.00, 0.00
HSL	261°, 100%, 67%
HSV	261°, 65%, 100%
XYZ	33.3843, 20.3104, 96.7527
YIQ	124.3800, -19.0390, 64.2330

Conversions

Conversions Part 2

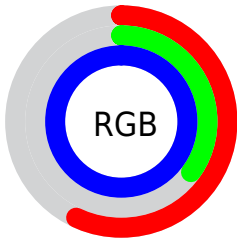
Format	Color
R _Y B	146, 88, 255
Decimal	9591039
CIE Lab	52.19, 58.87, -74.72
CIE LCh	52, 95.124, 308.237
Yxy	20.3104, 0.2219, 0.1350
Android (android.graphics.Color)	4287781119 (0xFF9258FF)
YUV	124.3800, 64.3957, 18.9607
Hunter-Lab	45.0671, 53.3599, -95.7405

Details

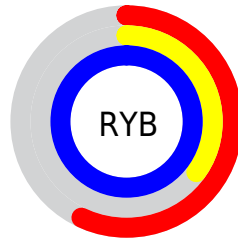
The Yxy color **20.3104, 0.2219, 0.1350** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **84.0932, 0.3628, 0.5037**, and the grayscale version is **20.0771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3916, 0.2764, 0.2053**, and **7.1646, 0.1922, 0.0955** is the 20% darker color. If you saturate the color by 10%, you get **15.4136, 0.2059, 0.1098**, and if you desaturate by 10%, it is **26.8939, 0.2385, 0.1643**.

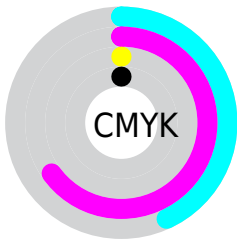
Distribution



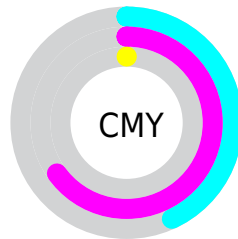
- Red (57%)
- Green (35%)
- Blue (100%)



- Red (57%)
- Yellow (35%)
- Blue (100%)



- Cyan (43%)
- Magenta (65%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (65%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3104, 0.2219, 0.1350 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 20.3104, 0.2219, 0.1350 by changing the saturation by 10% instead.


 20.3104, 0.2219,
0.1350


 20.3104, 0.2219,
0.1350


253.5906, 0.2726,
0.2237


 12.6209, 0.2087,
0.1167


 43.9370, 0.2410,
0.1646


 7.1680, 0.1919,
0.0955


 60.6428, 0.2480,
0.1765

 3.5674, 0.1702,
0.0716


 81.1229, 0.2538,
0.1869

 1.4346, 0.1420,
0.0457

 105.7616, 0.2588,
0.1961

 0.2420, 0.1066,
0.0131

134.9433, 0.2630,
0.2042

 0.0000, 0.0606,
0.0000

169.0525, 0.2667,

 0.0000, 0.0000,

0.2115

0.0000

208.4734, 0.2698,
0.2179

■ 20.3104, 0.2219,
0.1350

■ 20.3104, 0.2219,
0.1350

■ 15.4136, 0.2059,
0.1098

■ 26.8939, 0.2385,
0.1643

■ 12.0318, 0.1914,
0.0904

■ 35.3084, 0.2549,
0.1959

■ 9.9572, 0.1793,
0.0776

■ 45.6844, 0.2703,
0.2280

■ 9.3158, 0.1746,
0.0736

■ 58.1398, 0.2843,
0.2591

■ 72.7830, 0.2967,
0.2884

 89.7144, 0.3075,
0.3154

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



20.3104, 0.1289, 0.1184



20.3104, 0.2219, 0.1350



20.3104, 0.3813, 0.1824

Triad

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



20.3104, 0.2219, 0.1350



20.3104, 0.5704, 0.4272



20.3104, 0.1061, 0.3557

Complementary

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



20.3104, 0.2219, 0.1350



84.0932, 0.3628, 0.5037

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.



20.3104, 0.1914, 0.5887



20.3104, 0.2219, 0.1350



20.3104, 0.4518, 0.5482

Square

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



20.3104, 0.2219, 0.1350



20.3104, 0.6229, 0.3321



20.3104, 0.3159, 0.6499



20.3104, 0.0777, 0.1971

Rectangle

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



20.3104, 0.2219, 0.1350



20.3104, 0.5036, 0.2285



20.3104, 0.3159, 0.6499



20.3104, 0.1277, 0.4341

Sweetspot

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



20.3110, 0.2219, 0.1350



65.8867, 0.2913, 0.2754



50.2961, 0.2184, 0.2580



13.2341, 0.2877, 0.2671



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.



20.3110, 0.2219, 0.1350



14.0596, 0.2006, 0.1022



30.5611, 0.2935, 0.1684



17.6841, 0.3033, 0.3048



4.9429, 0.1762, 0.0744



0.5392, 0.1884, 0.0812

Inverse Universe

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



32.2766, 0.3825, 0.2252



27.3643, 0.4033, 0.2151



75.9172, 0.3145, 0.5340



18.1870, 0.3192, 0.3136



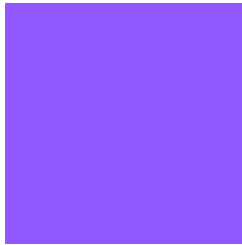
12.5870, 0.4330, 0.2159



1.2462, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 20.3104, 0.2219, 0.1350 looks on a white background.

Color Contrast Check

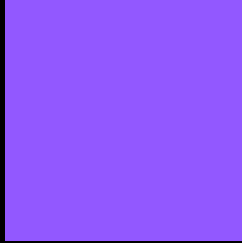
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3104, 0.2219, 0.1350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

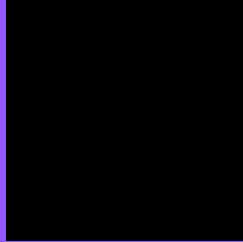
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3104, 0.2219, 0.1350

Background



This preview shows how black text looks on a background with the Yxy color 20.3104, 0.2219, 0.1350.

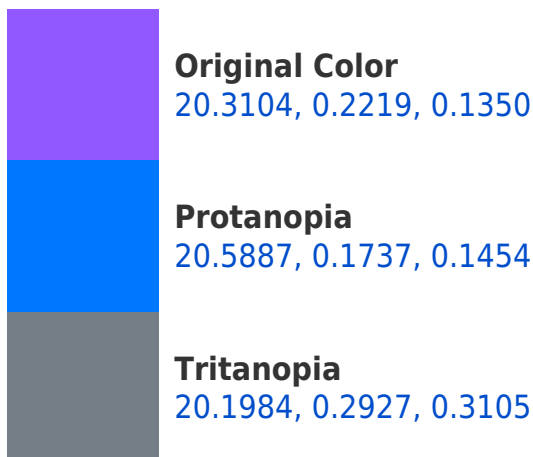


This preview shows how white text looks on a background with the Yxy color 20.3104, 0.2219, 0.1350.

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

20.3104, 0.2219, 0.1350



Protanomaly

18.6378, 0.1773, 0.1337



Tritanomaly

19.4322, 0.2611, 0.2222

Monochromacy



Original Color

20.3104, 0.2219, 0.1350



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.2530, 0.2714, 0.2307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3104, 0.2219, 0.1350 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(146, 88, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 88, 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(146, 88, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 88, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.3104, 0.2219, 0.1350 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(146, 88, 255) }
```

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

```
.border{ border-color:rgb(146, 88, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 88, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 88, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 88, 255); box-shadow:4px 4px 4px 4px rgb(146, 88, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 20.3104, 0.2219, 0.1350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 88, 255) }
```

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

```
.background{ background-color: rgb(146, 88,  
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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