

Converting Colors

$Y_{xy}(21.0399, 0.2304, 0.1353)$

Have a look what the booklet for
Yxy(21.0399, 0.2304, 0.1353)
contains.

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Color

Yxy(20.9316, 0.2318, 0.1366)

Conversions

Conversions Part 1

Format	Color
Hex	9F54FF
RGB	159, 84, 255
RGB Percent	62%, 33%, 100%
CMY	0.3765, 0.6706, 0.0000
CMYK	0.38, 0.67, 0.00, 0.00
HSL	266°, 100%, 66%
HSV	266°, 67%, 100%
XYZ	35.5194, 20.9316, 96.7818
YIQ	125.9190, -10.1910, 69.0810

Conversions

Conversions Part 2

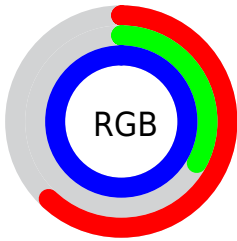
Format	Color
R _Y B	159, 84, 255
Decimal	10441983
CIE Lab	52.87, 63.27, -73.55
CIE LCh	53, 97.020, 310.705
Yxy	20.9316, 0.2318, 0.1366
Android (android.graphics.Color)	4288632063 (0xFF9F54FF)
YUV	125.9190, 63.6369, 29.0120
Hunter-Lab	45.7511, 58.5161, -93.3964

Details

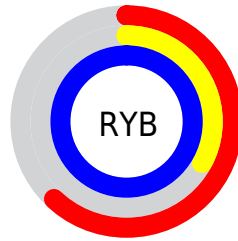
The Yxy color **20.9316, 0.2318, 0.1366** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **81.8626, 0.3527, 0.5140**, and the grayscale version is **20.6180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4570, 0.2871, 0.2061**, and **7.4677, 0.2041, 0.0976** is the 20% darker color. If you saturate the color by 10%, you get **16.2882, 0.2173, 0.1134**, and if you desaturate by 10%, it is **27.1846, 0.2466, 0.1640**.

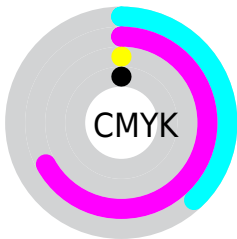
Distribution



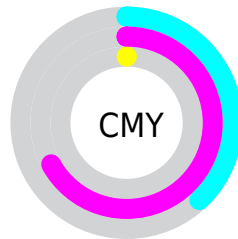
- Red (62%)
- Green (33%)
- Blue (100%)



- Red (62%)
- Yellow (33%)
- Blue (100%)



- Cyan (38%)
- Magenta (67%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (67%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9316, 0.2318, 0.1366 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 20.9316, 0.2318, 0.1366 by changing the saturation by 10% instead.


 20.9316, 0.2318,
0.1366


 20.9316, 0.2318,
0.1366


256.9148, 0.2777,
0.2241


 13.0740, 0.2196,
0.1185


 44.9737, 0.2492,
0.1658

 7.4795, 0.2040,
0.0976


 61.9269, 0.2556,
0.1775


 3.7638, 0.1837,
0.0739


 82.6809, 0.2609,
0.1878

 1.5423, 0.1567,
0.0480

 107.6199, 0.2653,
0.1969

 0.3182, 0.1219,
0.0169

 137.1284, 0.2691,
0.2049

 0.0000, 0.0769,
0.0000

171.5908, 0.2724,

 0.0000, 0.0000,

0.2120

0.0000

211.3915, 0.2752,
0.2184

■ 20.9316, 0.2318,
0.1366

■ 20.9316, 0.2318,
0.1366

■ 16.2882, 0.2173,
0.1134

■ 27.1846, 0.2466,
0.1640

■ 13.0831, 0.2039,
0.0958

■ 35.1925, 0.2610,
0.1939


■ 11.0999, 0.1922,
0.0842

■ 45.0843, 0.2745,
0.2248

■ 10.6549, 0.1890,
0.0815

■ 56.9764, 0.2867,
0.2553

■ 70.9756, 0.2976,
0.2843

 87.1810, 0.3069,
0.3113

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.



20.9316, 0.1332, 0.1175



20.9316, 0.2318, 0.1366



20.9316, 0.3973, 0.1866

Triad

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



20.9316, 0.2318, 0.1366



20.9316, 0.5639, 0.4361



20.9316, 0.1004, 0.3377

Complementary

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



20.9316, 0.2318, 0.1366



81.8626, 0.3527, 0.5140

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.



20.9316, 0.1809, 0.5754



20.9316, 0.2318, 0.1366



20.9316, 0.4406, 0.5594

Square

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



20.9316, 0.2318, 0.1366



20.9316, 0.6243, 0.3381



20.9316, 0.3040, 0.6565



20.9316, 0.0760, 0.1878

Rectangle

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



20.9316, 0.2318, 0.1366



20.9316, 0.5191, 0.2339



20.9316, 0.3040, 0.6565



20.9316, 0.1202, 0.4146

Sweetspot

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



20.9318, 0.2318, 0.1366



66.6344, 0.2945, 0.2759



42.1116, 0.2111, 0.2326



13.4120, 0.2915, 0.2678



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.



20.9318, 0.2318, 0.1366



15.2049, 0.2133, 0.1076



32.7220, 0.3090, 0.1732



17.7675, 0.3048, 0.3049



5.6522, 0.1907, 0.0824



0.6137, 0.2033, 0.0894

Inverse Universe

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



30.8955, 0.4053, 0.2378



26.3632, 0.4323, 0.2313



74.6144, 0.3068, 0.5434



18.1579, 0.3206, 0.3157



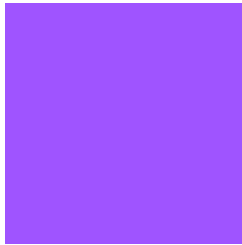
12.1780, 0.4705, 0.2365



1.2077, 0.4487, 0.2245

Previews

White Background



This preview shows how the Yxy color 20.9316, 0.2318, 0.1366 looks on a white background.

Color Contrast Check

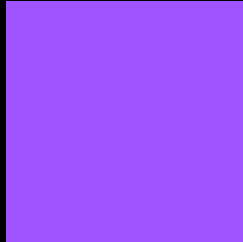
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9316, 0.2318, 0.1366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

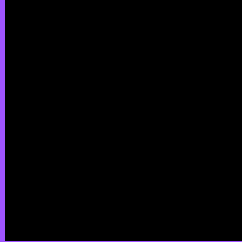
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9316, 0.2318, 0.1366

Background



This preview shows how black text looks on a background with the Yxy color 20.9316, 0.2318, 0.1366.



This preview shows how white text looks on a background with the Yxy color 20.9316, 0.2318, 0.1366.

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

20.9316, 0.2318, 0.1366

Protanopia

21.3333, 0.1762, 0.1480

Deuteranopia

21.0823, 0.1839, 0.1820



Tritanopia

20.8184, 0.3147, 0.3131

Trichromacy



Original Color

20.9316, 0.2318, 0.1366



Protanomaly

19.3616, 0.1836, 0.1359



Deuteranomaly

18.7080, 0.1851, 0.1529



Tritanomaly

19.8624, 0.2773, 0.2243

Monochromacy



Original Color

20.9316, 0.2318, 0.1366



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.7893, 0.2770, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9316, 0.2318, 0.1366 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(159, 84, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 84, 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(159, 84, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 84, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.9316, 0.2318, 0.1366 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(159, 84, 255) }
```

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

```
.border{ border-color:rgb(159, 84, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 84, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 84, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 84, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 84,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9316, 0.2318, 0.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 84, 255) }
```

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

```
.background{ background-color: rgb(159, 84,  
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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