

Converting Colors

$Y_{xy}(23.9245, 0.2306, 0.1644)$

Have a look what the booklet for
Yxy(23.9245, 0.2306, 0.1644)
contains.

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Color

Yxy(23.8298, 0.2299, 0.1635)

Conversions

Conversions Part 1

Format	Color
Hex	906FF4
RGB	144, 111, 244
RGB Percent	56%, 44%, 96%
CMY	0.4355, 0.5646, 0.0432
CMYK	0.41, 0.54, 0.00, 0.04
HSL	255°, 86%, 70%
HSV	255°, 54%, 96%
XYZ	33.5075, 23.8298, 88.4107
YIQ	136.0290, -23.0250, 48.3590

Conversions

Conversions Part 2

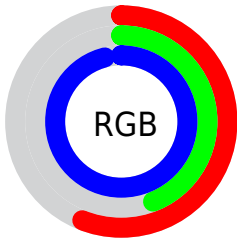
Format	Color
R _Y B	144, 111, 244
Decimal	9465844
CIE Lab	55.92, 43.23, -62.59
CIE LCh	56, 76.067, 304.630
Yxy	23.8298, 0.2299, 0.1635
Android (android.graphics.Color)	4287655924 (0xFF906FF4)
YUV	136.0290, 53.2297, 6.9906
Hunter-Lab	48.8158, 37.0960, -73.2097

Details

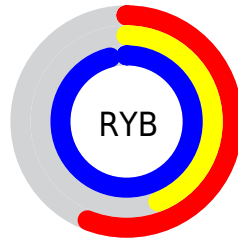
The Yxy color **23.8298, 0.2299, 0.1635** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **79.6987, 0.3675, 0.4717**, and the grayscale version is **24.4356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3275, 0.2748, 0.2286**, and **9.0115, 0.2031, 0.1260** is the 20% darker color. If you saturate the color by 10%, you get **17.6923, 0.2117, 0.1326**, and if you desaturate by 10%, it is **31.6914, 0.2481, 0.1965**.

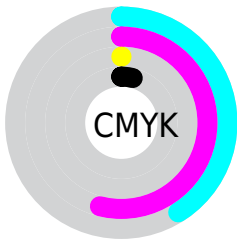
Distribution



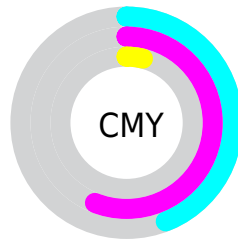
- Red (56%)
- Green (44%)
- Blue (96%)



- Red (56%)
- Yellow (44%)
- Blue (96%)



- Cyan (41%)
- Magenta (54%)
- Yellow (0%)
- Black (4%)





- Cyan (44%)
- Magenta (56%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8298, 0.2299, 0.1635 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 23.8298, 0.2299, 0.1635 by changing the saturation by 10% instead.


 23.8298, 0.2299,
0.1635


 23.8298, 0.2299,
0.1635


271.9589, 0.2752,
0.2418

 15.2074, 0.2181,
0.1463


 49.7523, 0.2469,
0.1904


 8.9651, 0.2029,
0.1257


 67.8212, 0.2531,
0.2010

 4.7184, 0.1830,
0.1012


 89.8078, 0.2584,
0.2101

 2.0830, 0.1565,
0.0725

 116.0964, 0.2628,
0.2181

 0.6550, 0.1210,
0.0399

147.0714, 0.2666,
0.2251

 0.0000, 0.0741,
0.0000

183.1172, 0.2699,

 0.0000, 0.0000,

0.2313

0.0000

224.6182, 0.2727,
0.2368

■ 23.8298, 0.2299,
0.1635

■ 23.8298, 0.2299,
0.1635

■ 17.6923, 0.2117,
0.1326

■ 31.6914, 0.2481,
0.1965

■ 13.1420, 0.1946,
0.1059

■ 41.3946, 0.2654,
0.2296

■ 10.0246, 0.1797,
0.0853

■ 53.0490, 0.2812,
0.2614

■ 8.1519, 0.1680,
0.0719

■ 66.7552, 0.2954,
0.2910

■ 7.5051, 0.1630,
0.0671

■ 82.6065, 0.3077,
0.3179

99.1388, 0.3185,
0.3396

99.3109, 0.3191,
0.3396

Harmonies

Analogous

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



23.8298, 0.1536, 0.1523



23.8298, 0.2299, 0.1635



23.8298, 0.3518, 0.2030

Triad

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



23.8298, 0.2299, 0.1635



23.8298, 0.5392, 0.4203



23.8298, 0.1535, 0.3747

Complementary

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



23.8298, 0.2299, 0.1635



79.6987, 0.3675, 0.4717

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.



23.8298, 0.2378, 0.5307



23.8298, 0.2299, 0.1635



23.8298, 0.4569, 0.5105

Square

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



23.8298, 0.2299, 0.1635



23.8298, 0.5592, 0.3388



23.8298, 0.3485, 0.5754



23.8298, 0.1163, 0.2407

Rectangle

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



23.8298, 0.2299, 0.1635



23.8298, 0.4446, 0.2428



23.8298, 0.3485, 0.5754



23.8298, 0.1766, 0.4307

Sweetspot

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



23.8306, 0.2299, 0.1635



71.3106, 0.2933, 0.2866



57.4816, 0.2353, 0.2898



14.5694, 0.2905, 0.2806



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.



23.8306, 0.2299, 0.1635



19.1764, 0.2105, 0.1307



31.3920, 0.2856, 0.1861



16.1249, 0.3018, 0.3048



4.1349, 0.1642, 0.0678



0.4098, 0.1764, 0.0745

Inverse Universe

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



35.3109, 0.3518, 0.2268



33.2987, 0.3622, 0.2117



71.9970, 0.3239, 0.4944



16.6940, 0.3176, 0.3114



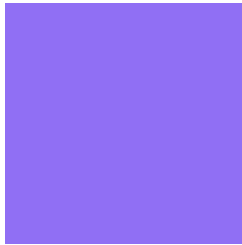
12.3526, 0.3955, 0.1952



1.1019, 0.3841, 0.1890

Previews

White Background



This preview shows how the Yxy color 23.8298, 0.2299, 0.1635 looks on a white background.

Color Contrast Check

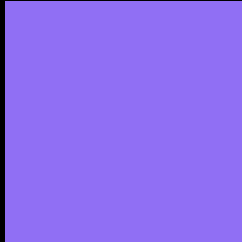
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8298, 0.2299, 0.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

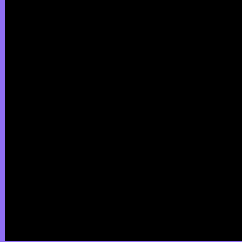
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8298, 0.2299, 0.1635

Background



This preview shows how black text looks on a background with the Yxy color 23.8298, 0.2299, 0.1635.



This preview shows how white text looks on a background with the Yxy color 23.8298, 0.2299, 0.1635.

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

23.8298, 0.2299, 0.1635

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.1214, 0.1868, 0.1810



Tritanopia

23.7799, 0.2860, 0.3097

Trichromacy



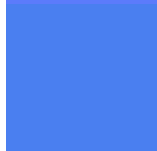
Original Color

23.8298, 0.2299, 0.1635



Protanomaly

23.4063, 0.1972, 0.1597



Deuteranomaly

22.9259, 0.1943, 0.1704



Tritanomaly

23.2233, 0.2621, 0.2426

Monochromacy



Original Color

23.8298, 0.2299, 0.1635



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

23.7629, 0.2778, 0.2541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8298, 0.2299, 0.1635 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(144, 111, 244)` looks like.

```
.text, #text, p{  
    color:rgb(144, 111, 244)  
}
```

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(144, 111, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 111, 244) }
```

Border

The CSS property to change the border of an element to Yxy 23.8298, 0.2299, 0.1635 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(144, 111, 244) }
```

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

```
.border{ border-color:rgb(144, 111, 244) }
```

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

Here you see how a box with a 4 pixel rgb(144, 111, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 111, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 111, 244);  
box-shadow:4px 4px 4px 4px rgb(144, 111,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8298, 0.2299, 0.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 111, 244) }
```

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

```
.background{ background-color: rgb(144,  
111, 244) }
```

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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