

Converting Colors

$Y_{xy}(23.6851, 0.2318, 0.1425)$

Have a look what the booklet for
Yxy(23.6851, 0.2318, 0.1425)
contains.

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Color

Yxy(23.1909, 0.2364, 0.1472)

Conversions

Conversions Part 1

Format	Color
Hex	A35FFF
RGB	163, 95, 255
RGB Percent	64%, 37%, 100%
CMY	0.3608, 0.6274, 0.0000
CMYK	0.36, 0.63, 0.00, 0.00
HSL	265°, 100%, 69%
HSV	265°, 63%, 100%
XYZ	37.2441, 23.1909, 97.1119
YIQ	133.5720, -10.8320, 64.1760

Conversions

Conversions Part 2

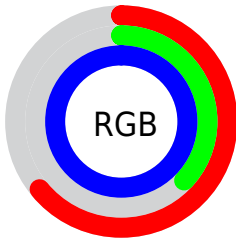
Format	Color
R _Y B	163, 95, 255
Decimal	10706943
CIE Lab	55.27, 58.69, -69.64
CIE LCh	55, 91.074, 310.124
Yxy	23.1909, 0.2364, 0.1472
Android (android.graphics.Color)	4288897023 (0xFFA35FFF)
YUV	133.5720, 59.8640, 25.8084
Hunter-Lab	48.1569, 53.7755, -85.8527

Details

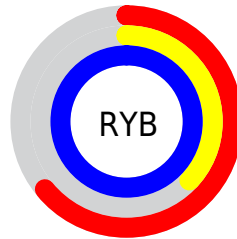
The Yxy color **23.1909, 0.2364, 0.1472** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **82.9048, 0.3535, 0.5025**, and the grayscale version is **23.4564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4029, 0.2908, 0.2180**, and **8.6302, 0.2107, 0.1094** is the 20% darker color. If you saturate the color by 10%, you get **17.8658, 0.2214, 0.1218**, and if you desaturate by 10%, it is **30.1997, 0.2514, 0.1761**.

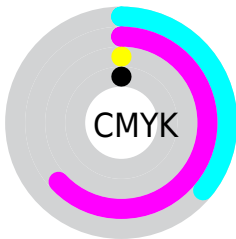
Distribution



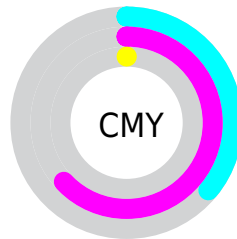
- Red (64%)
- Green (37%)
- Blue (100%)



- Red (64%)
- Yellow (37%)
- Blue (100%)



- Cyan (36%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1909, 0.2364, 0.1472 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 23.1909, 0.2364, 0.1472 by changing the saturation by 10% instead.


 23.1909, 0.2364,
0.1472


 23.1909, 0.2364,
0.1472


268.7040, 0.2792,
0.2304


 14.7345, 0.2251,
0.1297


 48.7066, 0.2526,
0.1751


 8.6333, 0.2106,
0.1093


 66.5347, 0.2585,
0.1863

 4.5028, 0.1916,
0.0857


 88.2555, 0.2635,
0.1960

 1.9586, 0.1662,
0.0591

 114.2534, 0.2676,
0.2046

 0.5832, 0.1324,
0.0299

144.9129, 0.2712,
0.2122

 0.0000, 0.0889,
0.0000

180.6181, 0.2742,

 0.0000, 0.0000,

0.2189

0.0000

221.7537, 0.2769,
0.2249

■ 23.1909, 0.2364,
0.1472

■ 23.1909, 0.2364,
0.1472

■ 17.8658, 0.2214,
0.1218

■ 30.1997, 0.2514,
0.1761

■ 14.0630, 0.2073,
0.1015

■ 39.0279, 0.2658,
0.2069

■ 11.5914, 0.1947,
0.0872

■ 49.7999, 0.2791,
0.2379

■ 10.4305, 0.1867,
0.0802

■ 62.6281, 0.2910,
0.2679

■ 77.6160, 0.3015,
0.2962

94.8600, 0.3105,
0.3223

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



23.1909, 0.1430, 0.1292



23.1909, 0.2364, 0.1472



23.1909, 0.3879, 0.1951

Triad

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



23.1909, 0.2364, 0.1472



23.1909, 0.5520, 0.4354



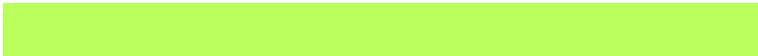
23.1909, 0.1160, 0.3437

Complementary

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



23.1909, 0.2364, 0.1472



82.9048, 0.3535, 0.5025

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.



23.1909, 0.1967, 0.5518



23.1909, 0.2364, 0.1472



23.1909, 0.4432, 0.5475

Square

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



23.1909, 0.2364, 0.1472



23.1909, 0.6030, 0.3437



23.1909, 0.3161, 0.6283



23.1909, 0.0887, 0.2019

Rectangle

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



23.1909, 0.2364, 0.1472



23.1909, 0.4985, 0.2407



23.1909, 0.3161, 0.6283



23.1909, 0.1365, 0.4124

Sweetspot

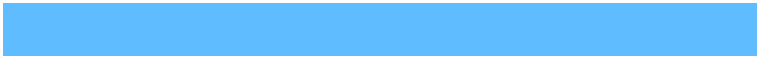
The Sweet Spot groups the original color and five complimentary colors.



23.1917, 0.2364, 0.1472



67.9816, 0.2951, 0.2787



45.7608, 0.2173, 0.2436



13.6696, 0.2920, 0.2705



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.



23.1917, 0.2364, 0.1472



16.8809, 0.2181, 0.1167



34.2222, 0.3071, 0.1792



17.7550, 0.3046, 0.3049



5.5342, 0.1884, 0.0811



0.6016, 0.2009, 0.0881

Inverse Universe

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



33.0320, 0.3939, 0.2396



27.9438, 0.4179, 0.2305



75.5494, 0.3087, 0.5295



18.1622, 0.3204, 0.3154



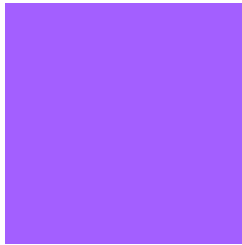
12.2340, 0.4648, 0.2334



1.2131, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 23.1909, 0.2364, 0.1472 looks on a white background.

Color Contrast Check

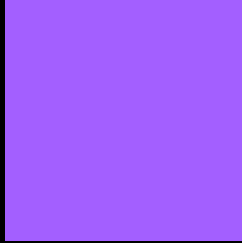
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1909, 0.2364, 0.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

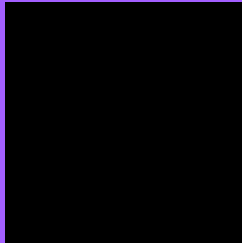
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1909, 0.2364, 0.1472

Background



This preview shows how black text looks on a background with the Yxy color 23.1909, 0.2364, 0.1472.

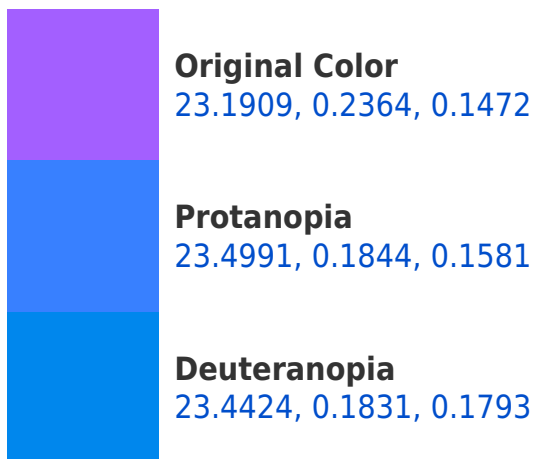


This preview shows how white text looks on a background with the Yxy color 23.1909, 0.2364, 0.1472.

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





Tritanopia

23.0536, 0.3135, 0.3121

Trichromacy



Original Color

23.1909, 0.2364, 0.1472



Protanomaly

22.1437, 0.1954, 0.1491



Deuteranomaly

20.8944, 0.1854, 0.1559



Tritanomaly

22.3547, 0.2807, 0.2331

Monochromacy



Original Color

23.1909, 0.2364, 0.1472



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.6670, 0.2806, 0.2406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1909, 0.2364, 0.1472 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(163, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 95, 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(163, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 95, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.1909, 0.2364, 0.1472 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(163, 95, 255) }
```

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

```
.border{ border-color:rgb(163, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 95, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 95, 255); box-shadow:4px 4px 4px 4px rgb(163, 95, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1909, 0.2364, 0.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 95, 255) }
```

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

```
.background{ background-color: rgb(163, 95,  
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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