

Converting Colors

$Y_{xy}(23.4375, 0.2320, 0.1492)$

Have a look what the booklet for
Yxy(23.4375, 0.2320, 0.1492)
contains.

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Color

Yxy(23.5024, 0.2322, 0.1495)

Conversions

Conversions Part 1

Format	Color
Hex	9D64FF
RGB	157, 100, 255
RGB Percent	62%, 39%, 100%
CMY	0.3844, 0.6077, 0.0001
CMYK	0.38, 0.61, 0.00, 0.00
HSL	262°, 100%, 70%
HSV	262°, 61%, 100%
XYZ	36.5034, 23.5024, 97.2009
YIQ	134.7130, -15.7830, 60.2890

Conversions

Conversions Part 2

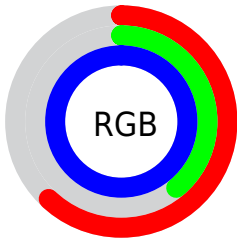
Format	Color
R _Y B	157, 100, 255
Decimal	10315007
CIE Lab	55.59, 54.88, -69.15
CIE LCh	56, 88.282, 308.437
Yxy	23.5024, 0.2322, 0.1495
Android (android.graphics.Color)	4288505087 (0xFF9D64FF)
YUV	134.7130, 59.3015, 19.5457
Hunter-Lab	48.4793, 49.5662, -84.9409

Details

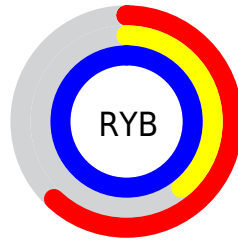
The Yxy color **23.5024, 0.2322, 0.1495** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **84.4376, 0.3590, 0.4940**, and the grayscale version is **23.8996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6014, 0.2852, 0.2202**, and **8.8245, 0.2060, 0.1121** is the 20% darker color. If you saturate the color by 10%, you get **17.8359, 0.2161, 0.1224**, and if you desaturate by 10%, it is **30.9146, 0.2484, 0.1798**.

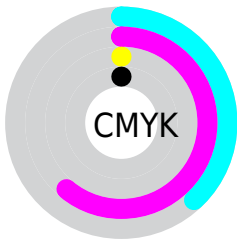
Distribution



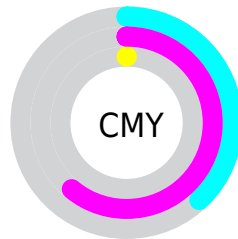
- Red (62%)
- Green (39%)
- Blue (100%)



- Red (62%)
- Yellow (39%)
- Blue (100%)



- Cyan (38%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5024, 0.2322, 0.1495 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 23.5024, 0.2322, 0.1495 by changing the saturation by 10% instead.


 23.5024, 0.2322,
0.1495


 23.5024, 0.2322,
0.1495


270.2950, 0.2768,
0.2320


 14.9649, 0.2206,
0.1321


 49.2170, 0.2490,
0.1773


 8.7948, 0.2057,
0.1116


 67.1628, 0.2551,
0.1884

 4.6076, 0.1862,
0.0879


 89.0136, 0.2603,
0.1980

 2.0189, 0.1605,
0.0611

 115.1537, 0.2646,
0.2065

 0.6184, 0.1265,
0.0318

145.9675, 0.2684,
0.2140

 0.0000, 0.0833,
0.0000

181.8394, 0.2716,

 0.0000, 0.0000,

0.2207

0.0000

223.1538, 0.2744,
0.2266

■ 23.5024, 0.2322,
0.1495

■ 23.5024, 0.2322,
0.1495

■ 17.8359, 0.2161,
0.1224

■ 30.9146, 0.2484,
0.1798

■ 13.7562, 0.2010,
0.1003

■ 40.2070, 0.2639,
0.2115

■ 11.0776, 0.1877,
0.0845

■ 51.5036, 0.2782,
0.2431

■ 9.5821, 0.1776,
0.0752

■ 64.9166, 0.2911,
0.2733

■ 80.5497, 0.3023,
0.3014

98.5000, 0.3120,
0.3271

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



23.5024, 0.1434, 0.1334



23.5024, 0.2322, 0.1495



23.5024, 0.3766, 0.1952

Triad

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



23.5024, 0.2322, 0.1495



23.5024, 0.5521, 0.4303



23.5024, 0.1243, 0.3547

Complementary

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



23.5024, 0.2322, 0.1495



84.4376, 0.3590, 0.4940

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.



23.5024, 0.2074, 0.5519



23.5024, 0.2322, 0.1495



23.5024, 0.4491, 0.5373

Square

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



23.5024, 0.2322, 0.1495



23.5024, 0.5950, 0.3413



23.5024, 0.3259, 0.6170



23.5024, 0.0939, 0.2116

Rectangle

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



23.5024, 0.2322, 0.1495



23.5024, 0.4842, 0.2395



23.5024, 0.3259, 0.6170



23.5024, 0.1458, 0.4215

Sweetspot

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



23.5032, 0.2322, 0.1495



69.0334, 0.2943, 0.2813



50.3923, 0.2222, 0.2572



13.8540, 0.2909, 0.2729



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.



23.5032, 0.2322, 0.1495



16.7976, 0.2126, 0.1170



33.8847, 0.3002, 0.1796



17.7027, 0.3036, 0.3048



5.0850, 0.1792, 0.0761



0.5546, 0.1916, 0.0829

Inverse Universe

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



34.4547, 0.3793, 0.2334



29.0684, 0.3991, 0.2219



76.4689, 0.3127, 0.5210



18.1805, 0.3195, 0.3141



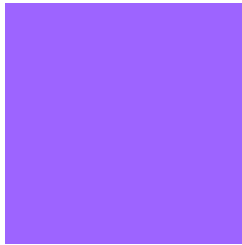
12.4886, 0.4412, 0.2204



1.2370, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 23.5024, 0.2322, 0.1495 looks on a white background.

Color Contrast Check

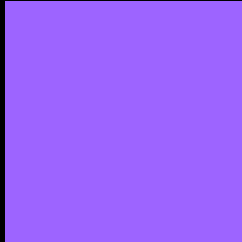
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5024, 0.2322, 0.1495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

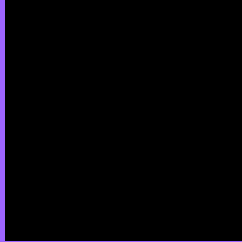
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5024, 0.2322, 0.1495

Background



This preview shows how black text looks on a background with the Yxy color 23.5024, 0.2322, 0.1495.



This preview shows how white text looks on a background with the Yxy color 23.5024, 0.2322, 0.1495.

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

23.5024, 0.2322, 0.1495

Protanopia

23.8503, 0.1856, 0.1597

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.3611, 0.3023, 0.3118

Trichromacy



Original Color

23.5024, 0.2322, 0.1495



Protanomaly

22.6098, 0.1959, 0.1515



Deuteranomaly

21.6283, 0.1855, 0.1589



Tritanomaly

22.5146, 0.2719, 0.2333

Monochromacy



Original Color

23.5024, 0.2322, 0.1495



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.0134, 0.2778, 0.2419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5024, 0.2322, 0.1495 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(157, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 100, 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(157, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 100, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.5024, 0.2322, 0.1495 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(157, 100, 255) }
```

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

```
.border{ border-color:rgb(157, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 100,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5024, 0.2322, 0.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 100, 255) }
```

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

```
.background{ background-color: rgb(157,  
100, 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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