

Converting Colors

$Y_{xy}(22.9690, 0.2251, 0.1481)$

Have a look what the booklet for
Yxy(22.9690, 0.2251, 0.1481)
contains.

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Color

Yxy(22.9258, 0.2248, 0.1479)

Conversions

Conversions Part 1

Format	Color
Hex	9366FF
RGB	147, 102, 255
RGB Percent	58%, 40%, 100%
CMY	0.4233, 0.6001, 0.0000
CMYK	0.42, 0.60, 0.00, 0.00
HSL	258°, 100%, 70%
HSV	258°, 60%, 100%
XYZ	34.8460, 22.9258, 97.2370
YIQ	132.8970, -22.2930, 57.1230

Conversions

Conversions Part 2

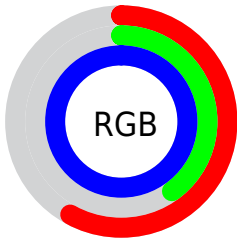
Format	Color
R_{YB}	147, 102, 255
Decimal	9660159
CIE _{Lab}	55.00, 51.84, -70.19
CIE _{LCh}	55, 87.260, 306.447
Yxy	22.9258, 0.2248, 0.1479
Android (android.graphics.Color)	4287850239 (0xFF9366FF)
YUV	132.8970, 60.1968, 12.3683
Hunter-Lab	47.8809, 46.1143, -86.8901

Details

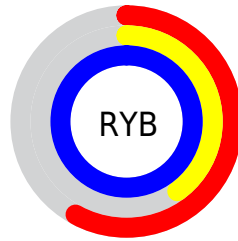
The Yxy color **22.9258, 0.2248, 0.1479** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.1681, 0.3663, 0.4878**, and the grayscale version is **23.1970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9281, 0.2781, 0.2201**, and **8.5134, 0.1968, 0.1100** is the 20% darker color. If you saturate the color by 10%, you get **17.1251, 0.2076, 0.1196**, and if you desaturate by 10%, it is **30.5224, 0.2424, 0.1795**.

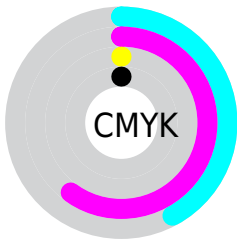
Distribution



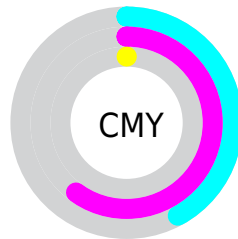
- Red (58%)
- Green (40%)
- Blue (100%)



- Red (58%)
- Yellow (40%)
- Blue (100%)



- Cyan (42%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9258, 0.2248, 0.1479 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 22.9258, 0.2248, 0.1479 by changing the saturation by 10% instead.


 22.9258, 0.2248,
0.1479


 22.9258, 0.2248,
0.1479


267.3437, 0.2730,
0.2314


 14.5387, 0.2124,
0.1302


 48.2715, 0.2428,
0.1760

 8.4963, 0.1966,
0.1096


 65.9988, 0.2495,
0.1873

 4.4141, 0.1761,
0.0856


 87.6084, 0.2550,
0.1971

 1.9078, 0.1493,
0.0587

 113.4847, 0.2598,
0.2057

 0.5531, 0.1146,
0.0289

144.0119, 0.2638,
0.2133

 0.0000, 0.0712,
0.0000

179.5746, 0.2673,

 0.0000, 0.0000,

0.2200

0.0000

220.5570, 0.2703,
0.2260

■ 22.9258, 0.2248,
0.1479

■ 22.9258, 0.2248,
0.1479

■ 17.1251, 0.2076,
0.1196

■ 30.5224, 0.2424,
0.1795

■ 12.9688, 0.1918,
0.0964

■ 40.0613, 0.2594,
0.2122

■ 10.2669, 0.1783,
0.0798

■ 51.6654, 0.2752,
0.2445

■ 8.7207, 0.1679,
0.0698

■ 65.4492, 0.2894,
0.2751

■ 81.5188, 0.3019,
0.3034

99.9732, 0.3127,
0.3290

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.



22.9258, 0.1398, 0.1338



22.9258, 0.2248, 0.1479



22.9258, 0.3656, 0.1917

Triad

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



22.9258, 0.2248, 0.1479



22.9258, 0.5569, 0.4239



22.9258, 0.1285, 0.3674

Complementary

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



22.9258, 0.2248, 0.1479



86.1681, 0.3663, 0.4878

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.



22.9258, 0.2150, 0.5614



22.9258, 0.2248, 0.1479



22.9258, 0.4569, 0.5300

Square

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



22.9258, 0.2248, 0.1479



22.9258, 0.5937, 0.3362



22.9258, 0.3343, 0.6138



22.9258, 0.0951, 0.2185

Rectangle

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



22.9258, 0.2248, 0.1479



22.9258, 0.4736, 0.2350



22.9258, 0.3343, 0.6138



22.9258, 0.1514, 0.4350

Sweetspot

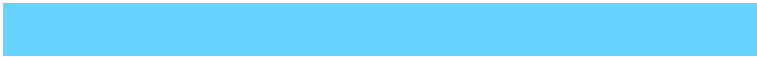
The Sweet Spot groups the original color and five complimentary colors.



22.9234, 0.2248, 0.1479



68.4980, 0.2920, 0.2810



56.9500, 0.2269, 0.2750



13.7248, 0.2882, 0.2724



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.



22.9234, 0.2248, 0.1479



16.1742, 0.2043, 0.1145



32.2206, 0.2887, 0.1759



17.6370, 0.3025, 0.3047



4.6232, 0.1693, 0.0706



0.5036, 0.1810, 0.0771

Inverse Universe

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



35.4049, 0.3652, 0.2245



30.0305, 0.3800, 0.2111



77.6397, 0.3194, 0.5148



18.2038, 0.3183, 0.3124



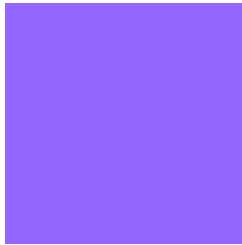
12.8555, 0.4128, 0.2048



1.2709, 0.3998, 0.1976

Previews

White Background



This preview shows how the Yxy color 22.9258, 0.2248, 0.1479 looks on a white background.

Color Contrast Check

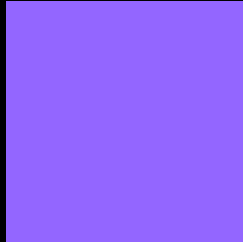
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9258, 0.2248, 0.1479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

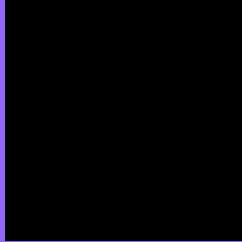
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9258, 0.2248, 0.1479

Background



This preview shows how black text looks on a background with the Yxy color 22.9258, 0.2248, 0.1479.



This preview shows how white text looks on a background with the Yxy color 22.9258, 0.2248, 0.1479.

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

22.9258, 0.2248, 0.1479

Protanopia

23.1830, 0.1835, 0.1566

Deuteranopia

23.0484, 0.1832, 0.1795



Tritanopia

22.7817, 0.2875, 0.3095

Trichromacy



Original Color

22.9258, 0.2248, 0.1479



Protanomaly

22.2516, 0.1927, 0.1501



Deuteranomaly

21.0868, 0.1848, 0.1594



Tritanomaly

22.1256, 0.2605, 0.2323

Monochromacy



Original Color

22.9258, 0.2248, 0.1479



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.4967, 0.2744, 0.2433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9258, 0.2248, 0.1479 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(147, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 102, 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(147, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.9258, 0.2248, 0.1479 is called "border". The border property can be set on classes, ids or directly on the HTML element.

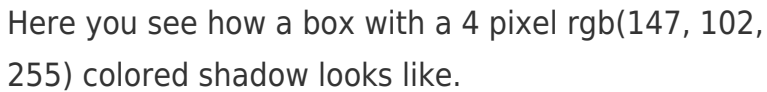
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 102, 255) }
```

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

```
.border{ border-color:rgb(147, 102, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9258, 0.2248, 0.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 102, 255) }
```

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

```
.background{ background-color: rgb(147,  
102, 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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