

Converting Colors

$Y_{xy}(22.8281, 0.2240, 0.1476)$

Have a look what the booklet for
Yxy(22.8281, 0.2240, 0.1476)
contains.

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Color

Yxy(22.8337, 0.2240, 0.1476)

Conversions

Conversions Part 1

Format	Color
Hex	9266FF
RGB	146, 102, 255
RGB Percent	57%, 40%, 100%
CMY	0.4276, 0.5999, 0.0000
CMYK	0.43, 0.60, 0.00, 0.00
HSL	257°, 100%, 70%
HSV	257°, 60%, 100%
XYZ	34.6528, 22.8337, 97.2134
YIQ	132.5980, -22.8890, 56.9110

Conversions

Conversions Part 2

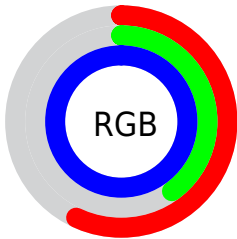
Format	Color
R_{YB}	146, 102, 255
Decimal	9594623
CIE _{Lab}	54.90, 51.59, -70.34
CIE _{LCh}	55, 87.230, 306.256
Y _{xy}	22.8337, 0.2240, 0.1476
Android (android.graphics.Color)	4287784703 (0xFF9266FF)
YUV	132.5980, 60.3442, 11.7536
Hunter-Lab	47.7846, 45.8227, -87.1708

Details

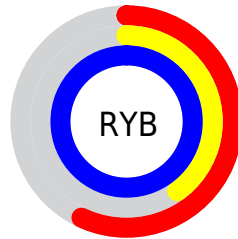
The Yxy color **22.8337, 0.2240, 0.1476** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **86.3370, 0.3671, 0.4873**, and the grayscale version is **23.0836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7845, 0.2773, 0.2198**, and **8.4656, 0.1960, 0.1096** is the 20% darker color. If you saturate the color by 10%, you get **17.0322, 0.2067, 0.1192**, and if you desaturate by 10%, it is **30.4385, 0.2417, 0.1793**.

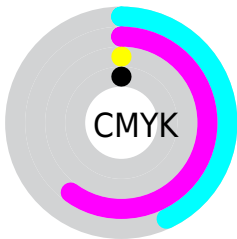
Distribution



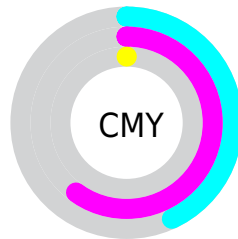
- Red (57%)
- Green (40%)
- Blue (100%)



- Red (57%)
- Yellow (40%)
- Blue (100%)



- Cyan (43%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (43%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8337, 0.2240, 0.1476 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 22.8337, 0.2240, 0.1476 by changing the saturation by 10% instead.


 22.8337, 0.2240,
0.1476


 22.8337, 0.2240,
0.1476


266.8697, 0.2726,
0.2313


 14.4708, 0.2115,
0.1299


 48.1201, 0.2421,
0.1758


 8.4488, 0.1956,
0.1092


 65.8124, 0.2489,
0.1871

 4.3834, 0.1750,
0.0852


 87.3832, 0.2545,
0.1969

 1.8903, 0.1481,
0.0583

 113.2170, 0.2592,
0.2055

 0.5425, 0.1133,
0.0284

143.6982, 0.2633,
0.2131

 0.0000, 0.0698,
0.0000

179.2111, 0.2668,

 0.0000, 0.0000,

0.2198

0.0000

220.1401, 0.2699,
0.2259

■ 22.8337, 0.2240,
0.1476

■ 22.8337, 0.2240,
0.1476

■ 17.0322, 0.2067,
0.1192

■ 30.4385, 0.2417,
0.1793

■ 12.8786, 0.1908,
0.0959

■ 39.9897, 0.2589,
0.2121

■ 10.1835, 0.1774,
0.0794

■ 51.6118, 0.2748,
0.2444

■ 8.6467, 0.1670,
0.0694

■ 65.4197, 0.2892,
0.2751

■ 8.6460, 0.1670,
0.0694

■ 81.5197, 0.3018,
0.3034

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.



22.8337, 0.1393, 0.1337



22.8337, 0.2240, 0.1476



22.8337, 0.3646, 0.1912

Triad

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



22.8337, 0.2240, 0.1476



22.8337, 0.5575, 0.4232



22.8337, 0.1288, 0.3687

Complementary

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



22.8337, 0.2240, 0.1476



86.3370, 0.3671, 0.4873

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.



22.8337, 0.2156, 0.5627



22.8337, 0.2240, 0.1476



22.8337, 0.4577, 0.5294

Square

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



22.8337, 0.2240, 0.1476



22.8337, 0.5938, 0.3356



22.8337, 0.3350, 0.6138



22.8337, 0.0950, 0.2191

Rectangle

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



22.8337, 0.2240, 0.1476



22.8337, 0.4728, 0.2345



22.8337, 0.3350, 0.6138



22.8337, 0.1517, 0.4364

Sweetspot

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



22.8325, 0.2240, 0.1476



68.4445, 0.2918, 0.2810



56.9598, 0.2269, 0.2751



13.7119, 0.2879, 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.



22.8325, 0.2240, 0.1476



16.0727, 0.2034, 0.1140



32.2319, 0.2887, 0.1760



17.6304, 0.3024, 0.3047



4.5829, 0.1684, 0.0702



0.4989, 0.1800, 0.0765

Inverse Universe

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



35.4716, 0.3639, 0.2235



30.0943, 0.3783, 0.2100



77.6439, 0.3194, 0.5147



18.2062, 0.3182, 0.3122



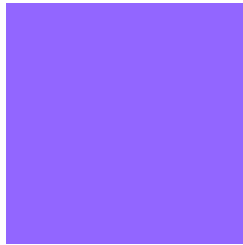
12.8954, 0.4101, 0.2033



1.2745, 0.3975, 0.1963

Previews

White Background



This preview shows how the Yxy color 22.8337, 0.2240, 0.1476 looks on a white background.

Color Contrast Check

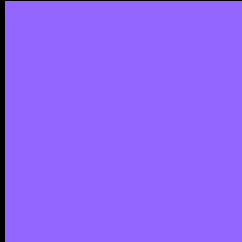
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8337, 0.2240, 0.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

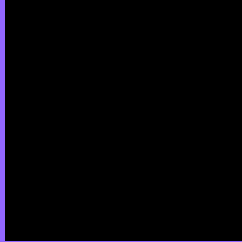
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8337, 0.2240, 0.1476

Background



This preview shows how black text looks on a background with the Yxy color 22.8337, 0.2240, 0.1476.



This preview shows how white text looks on a background with the Yxy color 22.8337, 0.2240, 0.1476.

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

22.8337, 0.2240, 0.1476

Protanopia

23.1556, 0.1833, 0.1566

Deuteranopia

23.0484, 0.1832, 0.1795



Tritanopia

22.7106, 0.2865, 0.3094

Trichromacy



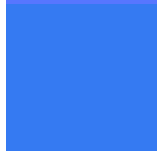
Original Color

22.8337, 0.2240, 0.1476



Protanomaly

22.2031, 0.1922, 0.1500



Deuteranomaly

21.0868, 0.1848, 0.1594



Tritanomaly

22.0469, 0.2596, 0.2320

Monochromacy



Original Color

22.8337, 0.2240, 0.1476



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 22.8337, 0.2240, 0.1476 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(146, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.8337, 0.2240, 0.1476 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(146, 102, 255) }
```

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

```
.border{ border-color:rgb(146, 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(146, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8337, 0.2240, 0.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 255) }
```

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

```
.background{ background-color: rgb(146,  
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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