

Converting Colors

$Y_{xy}(23.3587, 0.2165, 0.1364)$

Have a look what the booklet for
Yxy(23.3587, 0.2165, 0.1364)
contains.

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Color

Yxy(22.3467, 0.2243, 0.1451)

Conversions

Conversions Part 1

Format	Color
Hex	9363FF
RGB	147, 99, 255
RGB Percent	58%, 39%, 100%
CMY	0.4236, 0.6117, 0.0000
CMYK	0.42, 0.61, 0.00, 0.00
HSL	258°, 100%, 69%
HSV	258°, 61%, 100%
XYZ	34.5442, 22.3467, 97.1180
YIQ	131.1360, -21.4680, 58.6920

Conversions

Conversions Part 2

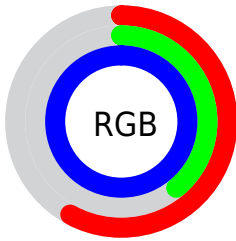
Format	Color
RYB	147, 99, 255
Decimal	9659391
CIELab	54.39, 53.40, -71.15
CIELCh	54, 88.964, 306.889
Yxy	22.3467, 0.2243, 0.1451
Android (android.graphics.Color)	4287849471 (0xFF9363FF)
YUV	131.1360, 61.0650, 13.9127
Hunter-Lab	47.2723, 47.7123, -88.7171

Details

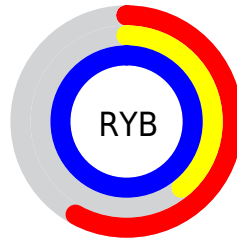
The Yxy color **22.3467, 0.2243, 0.1451** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **85.6895, 0.3655, 0.4913**, and the grayscale version is **22.5308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9419, 0.2779, 0.2169**, and **8.1714, 0.1961, 0.1063** is the 20% darker color. If you saturate the color by 10%, you get **16.7444, 0.2074, 0.1174**, and if you desaturate by 10%, it is **29.7229, 0.2417, 0.1762**.

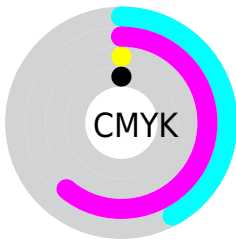
Distribution



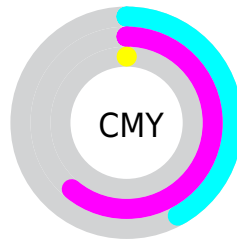
- Red (58%)
- Green (39%)
- Blue (100%)



- Red (58%)
- Yellow (39%)
- Blue (100%)



- Cyan (42%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3467, 0.2243, 0.1451 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 22.3467, 0.2243, 0.1451 by changing the saturation by 10% instead.


 22.3467, 0.2243,
0.1451


 22.3467, 0.2243,
0.1451


264.3515, 0.2730,
0.2298


 14.1119, 0.2117,
0.1273


 47.3184, 0.2425,
0.1736

 8.1985, 0.1957,
0.1065


 64.8240, 0.2492,
0.1850

 4.2222, 0.1750,
0.0825


 86.1886, 0.2549,
0.1949

 1.7986, 0.1479,
0.0558

 111.7967, 0.2596,
0.2036

 0.4863, 0.1130,
0.0256

142.0327, 0.2637,
0.2113

 0.0000, 0.0691,
0.0000

177.2809, 0.2672,

 0.0000, 0.0000,

0.2182

0.0000

217.9257, 0.2703,
0.2243

■ 22.3467, 0.2243,
0.1451

■ 22.3467, 0.2243,
0.1451

■ 16.7444, 0.2074,
0.1174

■ 29.7229, 0.2417,
0.1762

■ 12.7573, 0.1918,
0.0950

■ 39.0155, 0.2585,
0.2087

■ 10.1936, 0.1787,
0.0793

■ 50.3499, 0.2742,
0.2410

■ 8.8578, 0.1694,
0.0707

■ 63.8411, 0.2883,
0.2717

■ 79.5956, 0.3008,
0.3002

97.7126, 0.3116,
0.3261

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.



22.3467, 0.1375, 0.1304



22.3467, 0.2243, 0.1451



22.3467, 0.3691, 0.1897

Triad

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



22.3467, 0.2243, 0.1451



22.3467, 0.5595, 0.4246



22.3467, 0.1236, 0.3649

Complementary

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



22.3467, 0.2243, 0.1451



85.6895, 0.3655, 0.4913

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.



22.3467, 0.2099, 0.5670



22.3467, 0.2243, 0.1451



22.3467, 0.4563, 0.5345

Square

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



22.3467, 0.2243, 0.1451



22.3467, 0.6002, 0.3356



22.3467, 0.3305, 0.6216



22.3467, 0.0911, 0.2138

Rectangle

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



22.3467, 0.2243, 0.1451



22.3467, 0.4801, 0.2338



22.3467, 0.3305, 0.6216



22.3467, 0.1462, 0.4347

Sweetspot

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



22.3460, 0.2243, 0.1451



68.5925, 0.2925, 0.2811



55.0830, 0.2248, 0.2704



13.7475, 0.2887, 0.2725



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.



22.3460, 0.2243, 0.1451



15.9012, 0.2044, 0.1129



31.9601, 0.2905, 0.1745



17.6486, 0.3027, 0.3048



4.6969, 0.1709, 0.0715



0.5120, 0.1828, 0.0780

Inverse Universe

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



34.6907, 0.3690, 0.2247



29.5634, 0.3844, 0.2123



77.1829, 0.3179, 0.5192



18.1996, 0.3185, 0.3127



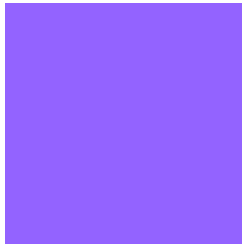
12.7865, 0.4177, 0.2075



1.2646, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 22.3467, 0.2243, 0.1451 looks on a white background.

Color Contrast Check

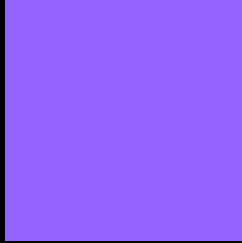
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3467, 0.2243, 0.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

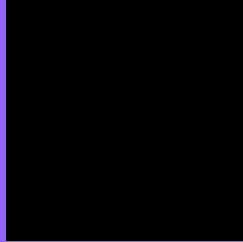
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3467, 0.2243, 0.1451

Background



This preview shows how black text looks on a background with the Yxy color 22.3467, 0.2243, 0.1451.



This preview shows how white text looks on a background with the Yxy color 22.3467, 0.2243, 0.1451.

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

22.3467, 0.2243, 0.1451

Protanopia

22.7460, 0.1815, 0.1547

Deuteranopia

22.6013, 0.1835, 0.1807



Tritanopia

22.1787, 0.2893, 0.3093

Trichromacy



Original Color

22.3467, 0.2243, 0.1451



Protanomaly

21.5498, 0.1899, 0.1469



Deuteranomaly

20.7229, 0.1850, 0.1595



Tritanomaly

21.3584, 0.2609, 0.2288

Monochromacy



Original Color

22.3467, 0.2243, 0.1451



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

21.6466, 0.2739, 0.2396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3467, 0.2243, 0.1451 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, 99, 255)` looks like.

```
.text, #text, p{  
    color:rgb(147, 99, 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, 99, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 99, 255) }
```

Border

The CSS property to change the border of an element to Yxy 22.3467, 0.2243, 0.1451 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, 99, 255) }
```

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

```
.border{ border-color:rgb(147, 99, 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, 99, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 99, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 99, 255);  
box-shadow:4px 4px 4px 4px rgb(147, 99,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3467, 0.2243, 0.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 99, 255) }
```

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

```
.background{ background-color: rgb(147, 99,  
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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