

Converting Colors

$Y_{xy}(22.9188, 0.2453, 0.1936)$

Have a look what the booklet for
Yxy(22.9188, 0.2453, 0.1936)
contains.

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Color

Yxy(22.8348, 0.2453, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	8B74D6
RGB	139, 116, 214
RGB Percent	55%, 45%, 84%
CMY	0.4547, 0.5452, 0.1607
CMYK	0.35, 0.46, 0.00, 0.16
HSL	254°, 54%, 65%
HSV	254°, 46%, 84%
XYZ	29.0377, 22.8348, 66.5038
YIQ	134.0490, -17.7500, 35.3540

Conversions

Conversions Part 2

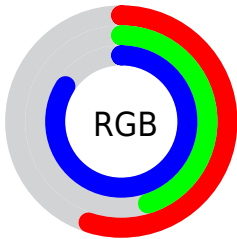
Format	Color
R_{YB}	139, 116, 214
Decimal	9139414
CIE Lab	54.90, 31.14, -47.45
CIE LCh	55, 56.754, 303.279
Yxy	22.8348, 0.2453, 0.1929
Android (android.graphics.Color)	4287329494 (0xFF8B74D6)
YUV	134.0490, 39.4158, 4.3420
Hunter-Lab	47.7858, 24.8430, -49.0643

Details

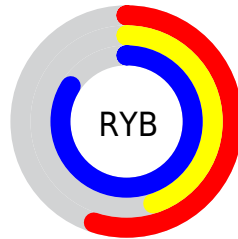
The Yxy color **22.8348, 0.2453, 0.1929** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.4293, 0.3613, 0.4486**, and the grayscale version is **23.7186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8274, 0.2699, 0.2316**, and **8.4488, 0.2214, 0.1557** is the 20% darker color. If you saturate the color by 10%, you get **17.1526, 0.2270, 0.1601**, and if you desaturate by 10%, it is **29.8659, 0.2628, 0.2260**.

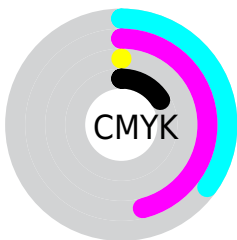
Distribution



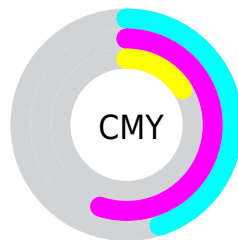
- Red (55%)
- Green (45%)
- Blue (84%)



- Red (55%)
- Yellow (45%)
- Blue (84%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (16%)





- Cyan (45%)
- Magenta (55%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8348, 0.2453, 0.1929 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 22.8348, 0.2453, 0.1929 by changing the saturation by 10% instead.


 22.8348, 0.2453,
0.1929


 22.8348, 0.2453,
0.1929


266.8754, 0.2829,
0.2609

 14.4716, 0.2350,
0.1766


 48.1219, 0.2597,
0.2173


 8.4494, 0.2213,
0.1563


 65.8146, 0.2650,
0.2265

 4.3838, 0.2025,
0.1308


 87.3859, 0.2693,
0.2344

 1.8905, 0.1760,
0.0986

 113.2202, 0.2729,
0.2412

 0.5427, 0.1380,
0.0553

143.7019, 0.2760,
0.2471

 0.0000, 0.0535,
0.0000

179.2154, 0.2786,

 0.0000, 0.0000,

0.2523

0.0000

220.1451, 0.2809,
0.2568

■ 22.8348, 0.2453,
0.1929

■ 22.8348, 0.2453,
0.1929

■ 17.1526, 0.2270,
0.1601

■ 29.8659, 0.2628,
0.2260

■ 12.7283, 0.2088,
0.1296

■ 38.3237, 0.2790,
0.2578

■ 9.4634, 0.1919,
0.1034

■ 48.2831, 0.2935,
0.2876

■ 7.2431, 0.1774,
0.0834

■ 59.8128, 0.3061,
0.3146

■ 5.9271, 0.1661,
0.0706

■ 72.9774, 0.3171,
0.3388

■ 5.5431, 0.1623,
0.0668

■ 87.8377, 0.3265,
0.3602

■ 97.3722, 0.3360,
0.3692

■ 97.6357, 0.3369,
0.3691

Harmonies

Analogous

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



22.8348, 0.1819, 0.1854



22.8348, 0.2453, 0.1929



22.8348, 0.3401, 0.2258

Triad

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



22.8348, 0.2453, 0.1929



22.8348, 0.4981, 0.4120



22.8348, 0.1909, 0.3715

Complementary

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



22.8348, 0.2453, 0.1929



60.4293, 0.3613, 0.4486

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.



22.8348, 0.2638, 0.4782



22.8348, 0.2453, 0.1929



22.8348, 0.4407, 0.4788

Square

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



22.8348, 0.2453, 0.1929



22.8348, 0.5025, 0.3429



22.8348, 0.3553, 0.5160



22.8348, 0.1539, 0.2685

Rectangle

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



22.8348, 0.2453, 0.1929



22.8348, 0.4096, 0.2594



22.8348, 0.3553, 0.5160



22.8348, 0.2116, 0.4104

Sweetspot

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



22.8356, 0.2453, 0.1929



74.4849, 0.2957, 0.2923



45.8898, 0.2462, 0.2973



15.1921, 0.2928, 0.2861



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.



22.8356, 0.2453, 0.1929



25.6976, 0.2275, 0.1609



28.0173, 0.2915, 0.2090



12.1483, 0.3018, 0.3052



3.3898, 0.1635, 0.0674



0.2428, 0.1811, 0.0771

Inverse Universe

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



30.5437, 0.3421, 0.2409



38.7382, 0.3506, 0.2244



55.1220, 0.3235, 0.4646



12.5804, 0.3173, 0.3113



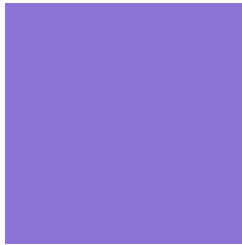
10.2701, 0.3906, 0.1926



0.6318, 0.3761, 0.1846

Previews

White Background



This preview shows how the Yxy color 22.8348, 0.2453, 0.1929 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 22.8348, 0.2453, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

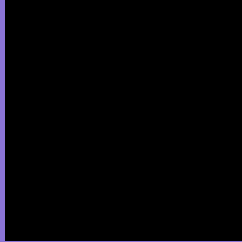
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8348, 0.2453, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 22.8348, 0.2453, 0.1929.



This preview shows how white text looks on a background with the Yxy color 22.8348, 0.2453, 0.1929.

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

22.8348, 0.2453, 0.1929

Protanopia

22.9984, 0.2071, 0.1873

Deuteranopia

23.1370, 0.2126, 0.2071



Tritanopia

22.7708, 0.2926, 0.3096

Trichromacy



Original Color

22.8348, 0.2453, 0.1929

Protanomaly

22.7616, 0.2184, 0.1889

Deuteranomaly

22.6784, 0.2224, 0.2004

Tritanomaly

22.4534, 0.2729, 0.2588

Monochromacy



Original Color

22.8348, 0.2453, 0.1929

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0573, 0.2857, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8348, 0.2453, 0.1929 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(139, 116, 214)` looks like.

```
.text, #text, p{  
    color:rgb(139, 116, 214)  
}
```

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(139, 116, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 116, 214) }
```

Border

The CSS property to change the border of an element to Yxy 22.8348, 0.2453, 0.1929 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(139, 116, 214) }
```

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

```
.border{ border-color:rgb(139, 116, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 116, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 116, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 116, 214);  
box-shadow:4px 4px 4px 4px rgb(139, 116,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8348, 0.2453, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 116, 214) }
```

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

```
.background{ background-color: rgb(139,  
116, 214) }
```

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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