

Converting Colors

$Y_{xy}(22.5140, 0.2732, 0.2079)$

Have a look what the booklet for
Yxy(22.5140, 0.2732, 0.2079)
contains.

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Color

Yxy(22.5140, 0.2732, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	9C6FC6
RGB	156, 111, 198
RGB Percent	61%, 44%, 78%
CMY	0.3882, 0.5647, 0.2237
CMYK	0.21, 0.44, 0.00, 0.22
HSL	271°, 43%, 61%
HSV	271°, 44%, 78%
XYZ	29.5855, 22.5140, 56.1930
YIQ	134.3730, -1.1070, 36.5970

Conversions

Conversions Part 2

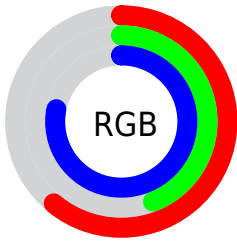
Format	Color
R _Y B	156, 111, 198
Decimal	10252230
CIE Lab	54.57, 34.68, -38.76
CIE LCh	55, 52.009, 311.827
Yxy	22.5140, 0.2732, 0.2079
Android (android.graphics.Color)	4288442310 (0xFF9C6FC6)
YUV	134.3730, 31.3681, 18.9669
Hunter-Lab	47.4489, 28.2633, -37.0019

Details

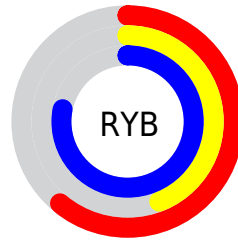
The Yxy color **22.5140, 0.2732, 0.2079** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **48.2909, 0.3384, 0.4516**, and the grayscale version is **23.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7680, 0.2825, 0.2308**, and **8.3424, 0.2571, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **17.7467, 0.2612, 0.1791**, and if you desaturate by 10%, it is **28.3153, 0.2842, 0.2373**.

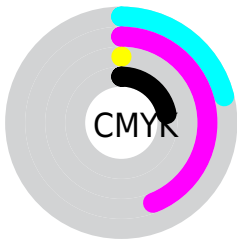
Distribution



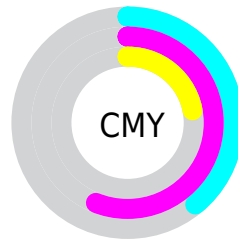
- Red (61%)
- Green (44%)
- Blue (78%)



- Red (61%)
- Yellow (44%)
- Blue (78%)



- Cyan (21%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (39%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5140, 0.2732, 0.2079 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 22.5140, 0.2732, 0.2079 by changing the saturation by 10% instead.


 22.5140, 0.2732,
0.2079


 22.5140, 0.2732,
0.2079

265.2189, 0.2964,
0.2693


 14.2351, 0.2663,
0.1927


 47.5941, 0.2824,
0.2302


 8.2843, 0.2569,
0.1735


 65.1640, 0.2857,
0.2386

 4.2774, 0.2433,
0.1488


 86.5997, 0.2883,
0.2457

 1.8299, 0.2226,
0.1162

 112.2856, 0.2905,
0.2518

 0.5057, 0.1903,
0.0675

142.6061, 0.2923,
0.2570

 0.0000, 0.0985,
0.0000

177.9455, 0.2939,

 0.0000, 0.0000,

0.2616

0.0000

218.6883, 0.2952,
0.2657

■ 22.5140, 0.2732,
0.2079

■ 22.5140, 0.2732,
0.2079

■ 17.7467, 0.2612,
0.1791

■ 28.3153, 0.2842,
0.2373

■ 13.9451, 0.2485,
0.1522

■ 35.2078, 0.2941,
0.2662

■ 11.0366, 0.2357,
0.1288


■ 43.2473, 0.3027,
0.2938


■ 8.9364, 0.2233,
0.1100

■ 52.4853, 0.3101,
0.3195


■ 7.5427, 0.2118,
0.0966


■ 62.9698, 0.3164,
0.3431

 6.9265, 0.2053,
0.0905

 74.7463, 0.3217,
0.3645

 87.8578, 0.3260,
0.3838

 92.8233, 0.3316,
0.3878

 94.4696, 0.3379,
0.3867

Harmonies

Analogous

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



22.5140, 0.2042, 0.1938



22.5140, 0.2732, 0.2079



22.5140, 0.3661, 0.2452

Triad

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



22.5140, 0.2732, 0.2079



22.5140, 0.4749, 0.4276



22.5140, 0.1860, 0.3390

Complementary

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



22.5140, 0.2732, 0.2079



48.2909, 0.3384, 0.4516

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.



22.5140, 0.2463, 0.4411



22.5140, 0.2732, 0.2079



22.5140, 0.4129, 0.4835

Square

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



22.5140, 0.2732, 0.2079



22.5140, 0.4935, 0.3623



22.5140, 0.3296, 0.4986



22.5140, 0.1602, 0.2537

Rectangle

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



22.5140, 0.2732, 0.2079



22.5140, 0.4273, 0.2801



22.5140, 0.3296, 0.4986



22.5140, 0.2025, 0.3737

Sweetspot

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



22.5149, 0.2732, 0.2079



77.7343, 0.3033, 0.2957



30.2509, 0.2423, 0.2604



15.9092, 0.3015, 0.2897



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.



22.5149, 0.2732, 0.2079



31.5365, 0.2614, 0.1794



27.3812, 0.3192, 0.2242



10.5528, 0.3062, 0.3057



4.5572, 0.2067, 0.0912



0.2588, 0.2293, 0.1037

Inverse Universe

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



25.6709, 0.3707, 0.2742



38.1624, 0.3906, 0.2629



44.9338, 0.3055, 0.4623



10.7208, 0.3215, 0.3179



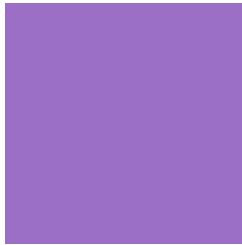
8.3685, 0.5013, 0.2535



0.4109, 0.4539, 0.2274

Previews

White Background



This preview shows how the Yxy color 22.5140, 0.2732, 0.2079 looks on a white background.

Color Contrast Check

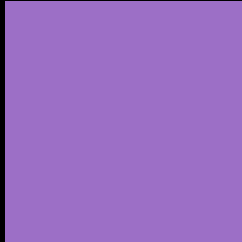
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5140, 0.2732, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

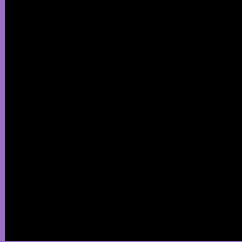
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5140, 0.2732, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 22.5140, 0.2732, 0.2079.



This preview shows how white text looks on a background with the Yxy color 22.5140, 0.2732, 0.2079.

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

22.5140, 0.2732, 0.2079

Protanopia

22.7838, 0.2173, 0.2008

Deuteranopia

22.7439, 0.2325, 0.2269



Tritanopia

22.4362, 0.3255, 0.3123

Trichromacy



Original Color

22.5140, 0.2732, 0.2079

Protanomaly

22.3247, 0.2331, 0.2016

Deuteranomaly

22.2436, 0.2452, 0.2185

Tritanomaly

22.2911, 0.3050, 0.2689

Monochromacy



Original Color

22.5140, 0.2732, 0.2079

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.1068, 0.2981, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5140, 0.2732, 0.2079 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(156, 111, 198)` looks like.

```
.text, #text, p{  
    color:rgb(156, 111, 198)  
}
```

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(156, 111, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 111, 198) }
```

Border

The CSS property to change the border of an element to Yxy 22.5140, 0.2732, 0.2079 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(156, 111, 198) }
```

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

```
.border{ border-color:rgb(156, 111, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 111, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 111, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 111, 198);  
box-shadow:4px 4px 4px 4px rgb(156, 111,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5140, 0.2732, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 111, 198) }
```

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

```
.background{ background-color: rgb(156,  
111, 198) }
```

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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