

Converting Colors

$Y_{xy}(22.4170, 0.2687, 0.2064)$

Have a look what the booklet for
Yxy(22.4170, 0.2687, 0.2064)
contains.

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Color

Yxy(22.4842, 0.2694, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	9970C7
RGB	153, 112, 199
RGB Percent	60%, 44%, 78%
CMY	0.3998, 0.5609, 0.2196
CMYK	0.23, 0.44, 0.00, 0.22
HSL	268°, 44%, 61%
HSV	268°, 44%, 78%
XYZ	29.2479, 22.4842, 56.8348
YIQ	134.1770, -3.4910, 35.7490

Conversions

Conversions Part 2

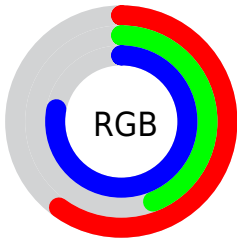
Format	Color
R _Y B	153, 112, 199
Decimal	10055879
CIE Lab	54.54, 33.52, -39.42
CIE LCh	55, 51.746, 310.381
Yxy	22.4842, 0.2694, 0.2071
Android (android.graphics.Color)	4288245959 (0xFF9970C7)
YUV	134.1770, 31.9577, 16.5078
Hunter-Lab	47.4175, 27.1212, -37.8729

Details

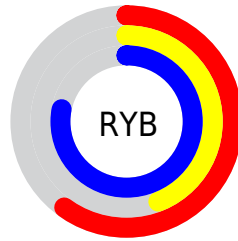
The Yxy color $22.4842, 0.2694, 0.2071$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $49.2811, 0.3416, 0.4497$, and the grayscale version is $23.7913, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.3262, 0.2802, 0.2301$, and $8.3087, 0.2519, 0.1724$ is the 20% darker color. If you saturate the color by 10%, you get $17.5910, 0.2563, 0.1775$, and if you desaturate by 10%, it is $28.4396, 0.2815, 0.2371$.

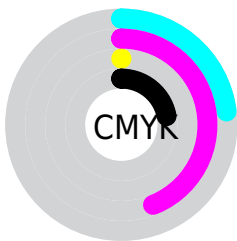
Distribution



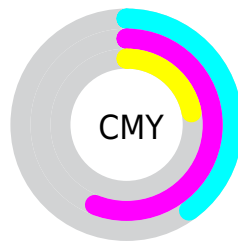
- Red (60%)
- Green (44%)
- Blue (78%)



- Red (60%)
- Yellow (44%)
- Blue (78%)



- Cyan (23%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)





- Cyan (40%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4842, 0.2694, 0.2071 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 22.4842, 0.2694, 0.2071 by changing the saturation by 10% instead.


 22.4842, 0.2694,
0.2071


 22.4842, 0.2694,
0.2071


265.0646, 0.2946,
0.2689


 14.2131, 0.2620,
0.1918


 47.5450, 0.2794,
0.2295


 8.2690, 0.2519,
0.1725


 65.1035, 0.2829,
0.2380

 4.2676, 0.2375,
0.1476


 86.5265, 0.2857,
0.2451

 1.8243, 0.2158,
0.1149

 112.1986, 0.2881,
0.2513

 0.5023, 0.1822,
0.0662

142.5040, 0.2901,
0.2566

 0.0000, 0.0857,
0.0000

177.8272, 0.2918,

 0.0000, 0.0000,

0.2612

0.0000

218.5526, 0.2933,
0.2653

■ 22.4842, 0.2694,
0.2071

■ 22.4842, 0.2694,
0.2071

■ 17.5910, 0.2563,
0.1775

■ 28.4396, 0.2815,
0.2371

■ 13.6903, 0.2426,
0.1498

■ 35.5156, 0.2923,
0.2664

■ 10.7081, 0.2287,
0.1255

■ 43.7692, 0.3018,
0.2942

■ 8.5584, 0.2155,
0.1060

■ 53.2528, 0.3100,
0.3199

■ 7.1374, 0.2034,
0.0921

■ 64.0156, 0.3169,
0.3435

6.4999, 0.1965,
0.0856

76.1040, 0.3228,
0.3648

89.5622, 0.3277,
0.3839

93.6683, 0.3341,
0.3862

95.5314, 0.3411,
0.3849

Harmonies

Analogous

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



22.4842, 0.2021, 0.1942



22.4842, 0.2694, 0.2071



22.4842, 0.3613, 0.2433

Triad

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



22.4842, 0.2694, 0.2071



22.4842, 0.4764, 0.4242



22.4842, 0.1887, 0.3439

Complementary

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



22.4842, 0.2694, 0.2071



49.2811, 0.3416, 0.4497

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.



22.4842, 0.2503, 0.4448



22.4842, 0.2694, 0.2071



22.4842, 0.4162, 0.4808

Square

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



22.4842, 0.2694, 0.2071



22.4842, 0.4922, 0.3592



22.4842, 0.3338, 0.4986



22.4842, 0.1612, 0.2573

Rectangle

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



22.4842, 0.2694, 0.2071



22.4842, 0.4228, 0.2776



22.4842, 0.3338, 0.4986



22.4842, 0.2056, 0.3786

Sweetspot

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



22.4851, 0.2694, 0.2071



77.4731, 0.3023, 0.2956



32.1552, 0.2437, 0.2677



15.8448, 0.3003, 0.2896



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.



22.4851, 0.2694, 0.2071



31.5503, 0.2576, 0.1804



27.4573, 0.3146, 0.2221



10.5288, 0.3055, 0.3056



4.2306, 0.1979, 0.0864



0.2433, 0.2214, 0.0994

Inverse Universe

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



26.1927, 0.3653, 0.2695



39.1016, 0.3815, 0.2581



45.6559, 0.3084, 0.4631



10.7290, 0.3209, 0.3169



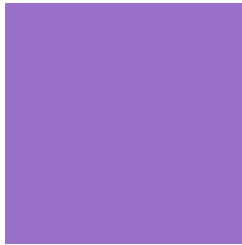
8.4823, 0.4822, 0.2430



0.4162, 0.4397, 0.2196

Previews

White Background



This preview shows how the Yxy color 22.4842, 0.2694, 0.2071 looks on a white background.

Color Contrast Check

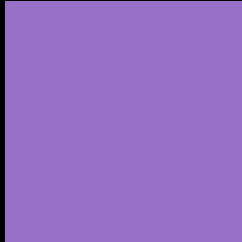
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4842, 0.2694, 0.2071 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 22.4842, 0.2694, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 22.4842, 0.2694, 0.2071.



This preview shows how white text looks on a background with the Yxy color 22.4842, 0.2694, 0.2071.

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

22.4842, 0.2694, 0.2071

Protanopia

22.7838, 0.2173, 0.2008

Deuteranopia

22.6721, 0.2305, 0.2252



Tritanopia

22.4501, 0.3206, 0.3122

Trichromacy



Original Color

22.4842, 0.2694, 0.2071

Protanomaly

22.2550, 0.2323, 0.2013

Deuteranomaly

22.1445, 0.2428, 0.2168

Tritanomaly

22.2889, 0.3005, 0.2685

Monochromacy



Original Color

22.4842, 0.2694, 0.2071

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0531, 0.2960, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4842, 0.2694, 0.2071 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(153, 112, 199)` looks like.

```
.text, #text, p{  
    color:rgb(153, 112, 199)  
}
```

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(153, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 112, 199) }
```

Border

The CSS property to change the border of an element to Yxy 22.4842, 0.2694, 0.2071 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(153, 112, 199) }
```

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

```
.border{ border-color:rgb(153, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(153, 112,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4842, 0.2694, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 112, 199) }
```

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

```
.background{ background-color: rgb(153,  
112, 199) }
```

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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