

Converting Colors

$Y_{xy}(22.5188, 0.2697, 0.1892)$

Have a look what the booklet for
Yxy(22.5188, 0.2697, 0.1892)
contains.

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Color

Yxy(22.4963, 0.2695, 0.1894)

Conversions

Conversions Part 1

Format	Color
Hex	A468D3
RGB	164, 104, 211
RGB Percent	64%, 41%, 83%
CMY	0.3570, 0.5920, 0.1726
CMYK	0.22, 0.51, 0.00, 0.17
HSL	274°, 55%, 62%
HSV	274°, 51%, 83%
XYZ	32.0103, 22.4963, 64.2701
YIQ	134.1380, 1.4130, 45.9970

Conversions

Conversions Part 2

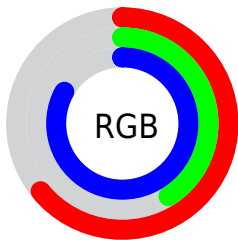
Format	Color
RYB	164, 104, 211
Decimal	10774739
CIELab	54.55, 43.78, -46.13
CIElCh	55, 63.599, 313.501
Yxy	22.4963, 0.2695, 0.1894
Android (android.graphics.Color)	4288964819 (0xFFA468D3)
YUV	134.1380, 37.8930, 26.1890
Hunter-Lab	47.4303, 37.4653, -47.1393

Details

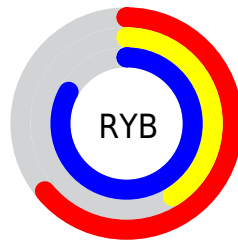
The Yxy color **22.4963, 0.2695, 0.1894** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **54.1625, 0.3375, 0.4741**, and the grayscale version is **23.7524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.7061, 0.2894, 0.2255**, and **8.2898, 0.2512, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **17.8159, 0.2580, 0.1624**, and if you desaturate by 10%, it is **28.3129, 0.2802, 0.2180**.

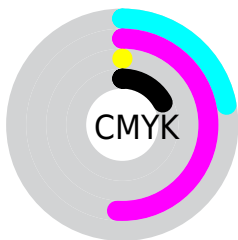
Distribution



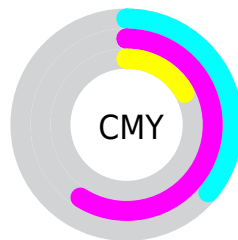
- Red (64%)
- Green (41%)
- Blue (83%)



- Red (64%)
- Yellow (41%)
- Blue (83%)



- Cyan (22%)
- Magenta (51%)
- Yellow (0%)
- Black (17%)




- Cyan (36%)
- Magenta (59%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4963, 0.2695, 0.1894 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 22.4963, 0.2695, 0.1894 by changing the saturation by 10% instead.


 22.4963, 0.2695,
0.1894


 22.4963, 0.2695,
0.1894


265.1272, 0.2951,
0.2583


 14.2220, 0.2620,
0.1731


 47.5649, 0.2797,
0.2139

 8.2753, 0.2517,
0.1529


 65.1280, 0.2833,
0.2233

 4.2716, 0.2371,
0.1276


 86.5563, 0.2862,
0.2313

 1.8266, 0.2155,
0.0958

 112.2339, 0.2886,
0.2382

 0.5037, 0.1827,
0.0522

142.5455, 0.2906,
0.2442

 0.0000, 0.1203,
0.0000

177.8753, 0.2923,

 0.0000, 0.0000,

0.2495

0.0000

218.6077, 0.2938,
0.2541

■ 22.4963, 0.2695,
0.1894

■ 22.4963, 0.2695,
0.1894

■ 17.8159, 0.2580,
0.1624

■ 28.3129, 0.2802,
0.2180

■ 14.1867, 0.2462,
0.1385

■ 35.3368, 0.2899,
0.2470

■ 11.5158, 0.2345,
0.1189

■ 43.6366, 0.2985,
0.2753

■ 9.6915, 0.2234,
0.1044

■ 53.2746, 0.3060,
0.3022

■ 8.5702, 0.2138,
0.0951

■ 64.3090, 0.3123,
0.3273

■ 76.7946, 0.3176,
0.3504

■ 90.7831, 0.3221,
0.3713

■ 94.4273, 0.3277,
0.3736

■ 96.0757, 0.3338,
0.3728

Harmonies

Analogous

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



22.4963, 0.1880, 0.1714



22.4963, 0.2695, 0.1894



22.4963, 0.3830, 0.2329

Triad

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



22.4963, 0.2695, 0.1894



22.4963, 0.4989, 0.4415



22.4963, 0.1592, 0.3313

Complementary

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



22.4963, 0.2695, 0.1894



54.1625, 0.3375, 0.4741

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.



22.4963, 0.2251, 0.4634



22.4963, 0.2695, 0.1894



22.4963, 0.4200, 0.5135

Square

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



22.4963, 0.2695, 0.1894



22.4963, 0.5304, 0.3653



22.4963, 0.3211, 0.5386



22.4963, 0.1343, 0.2316

Rectangle

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



22.4963, 0.2695, 0.1894



22.4963, 0.4578, 0.2727



22.4963, 0.3211, 0.5386



22.4963, 0.1765, 0.3749

Sweetspot

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



22.4972, 0.2695, 0.1894



74.9262, 0.3028, 0.2904



30.1542, 0.2301, 0.2416



15.3676, 0.3012, 0.2847



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.



22.4972, 0.2695, 0.1894



26.7463, 0.2569, 0.1600



28.1907, 0.3240, 0.2129



11.7397, 0.3069, 0.3056



5.2348, 0.2152, 0.0959



0.3393, 0.2340, 0.1063

Inverse Universe

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



25.9880, 0.3907, 0.2715



33.0900, 0.4175, 0.2617



50.6359, 0.3024, 0.4818



11.8933, 0.3223, 0.3188



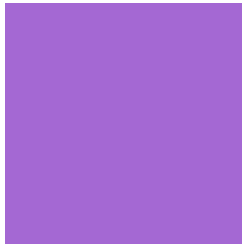
8.8520, 0.5198, 0.2637



0.5108, 0.4743, 0.2386

Previews

White Background



This preview shows how the Yxy color 22.4963, 0.2695, 0.1894 looks on a white background.

Color Contrast Check

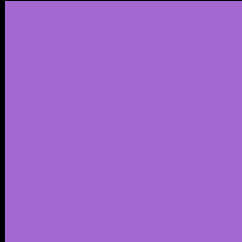
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4963, 0.2695, 0.1894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

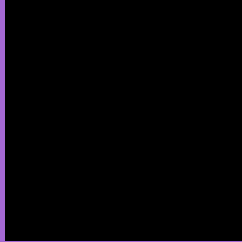
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4963, 0.2695, 0.1894

Background



This preview shows how black text looks on a background with the Yxy color 22.4963, 0.2695, 0.1894.



This preview shows how white text looks on a background with the Yxy color 22.4963, 0.2695, 0.1894.

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

22.4963, 0.2695, 0.1894

Protanopia

22.8113, 0.1997, 0.1773

Deuteranopia

22.8625, 0.2175, 0.2119



Tritanopia

22.4387, 0.3355, 0.3126

Trichromacy



Original Color

22.4963, 0.2695, 0.1894

Protanomaly

22.0094, 0.2177, 0.1792

Deuteranomaly

22.0107, 0.2320, 0.1998

Tritanomaly

22.1319, 0.3100, 0.2600

Monochromacy



Original Color

22.4963, 0.2695, 0.1894

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.7943, 0.2963, 0.2671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4963, 0.2695, 0.1894 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(164, 104, 211)` looks like.

```
.text, #text, p{  
    color:rgb(164, 104, 211)  
}
```

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(164, 104, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 104, 211) }
```

Border

The CSS property to change the border of an element to Yxy 22.4963, 0.2695, 0.1894 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(164, 104, 211) }
```

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

```
.border{ border-color:rgb(164, 104, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 104, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 104, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 104, 211);  
box-shadow:4px 4px 4px 4px rgb(164, 104,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4963, 0.2695, 0.1894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 104, 211) }
```

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

```
.background{ background-color: rgb(164,  
104, 211) }
```

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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