

Converting Colors

$Y_{xy}(22.8036, 0.2574, 0.1739)$

Have a look what the booklet for
Yxy(22.8036, 0.2574, 0.1739)
contains.

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Color

Yxy(22.8862, 0.2574, 0.1744)

Conversions

Conversions Part 1

Format	Color
Hex	A466E2
RGB	164, 102, 226
RGB Percent	64%, 40%, 89%
CMY	0.3570, 0.5999, 0.1139
CMYK	0.27, 0.55, 0.00, 0.11
HSL	270°, 68%, 64%
HSV	270°, 55%, 89%
XYZ	33.7781, 22.8862, 74.5639
YIQ	134.6740, -2.8520, 51.7080

Conversions

Conversions Part 2

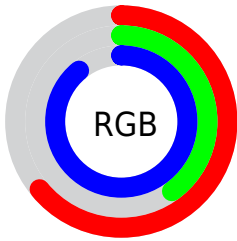
Format	Color
RYB	164, 102, 226
Decimal	10774242
CIELab	54.95, 48.32, -53.95
CIELCh	55, 72.427, 311.850
Yxy	22.8862, 0.2574, 0.1744
Android (android.graphics.Color)	4288964322 (0xFFA466E2)
YUV	134.6740, 45.0237, 25.7189
Hunter-Lab	47.8395, 42.3147, -58.9232

Details

The Yxy color **22.8862, 0.2574, 0.1744** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **63.2314, 0.3440, 0.4843**, and the grayscale version is **23.9346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1923, 0.2901, 0.2237**, and **8.4581, 0.2360, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **17.8833, 0.2442, 0.1474**, and if you desaturate by 10%, it is **29.2081, 0.2701, 0.2036**.

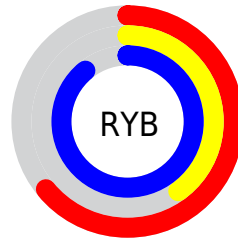
Distribution



Red (64%)

Green (40%)

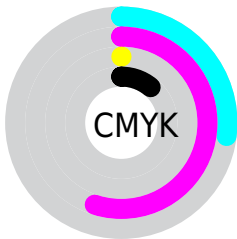
Blue (89%)



Red (64%)

Yellow (40%)

Blue (89%)

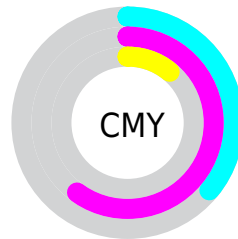


Cyan (27%)

Magenta (55%)

Yellow (0%)

Black (11%)



Cyan (36%)


Magenta (60%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8862, 0.2574, 0.1744 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 22.8862, 0.2574, 0.1744 by changing the saturation by 10% instead.


 22.8862, 0.2574,
0.1744


 22.8862, 0.2574,
0.1744


267.1400, 0.2895,
0.2488


 14.5095, 0.2483,
0.1575


 48.2064, 0.2699,
0.2004


 8.4759, 0.2363,
0.1369

 65.9187, 0.2744,
0.2105

 4.4009, 0.2197,
0.1118


 87.5116, 0.2780,
0.2192

 1.9003, 0.1960,
0.0816

 113.3696, 0.2811,
0.2267

 0.5485, 0.1618,
0.0438

143.8771, 0.2837,
0.2333

 0.0000, 0.1098,
0.0000

179.4183, 0.2859,

 0.0000, 0.0000,

0.2391

0.0000

220.3778, 0.2878,
0.2442

■ 22.8862, 0.2574,
0.1744

■ 22.8862, 0.2574,
0.1744

■ 17.8833, 0.2442,
0.1474

■ 29.2081, 0.2701,
0.2036

■ 14.0930, 0.2309,
0.1241

■ 36.9386, 0.2818,
0.2335

■ 11.3964, 0.2181,
0.1057

■ 46.1623, 0.2922,
0.2629

■ 9.6469, 0.2065,
0.0930

■ 56.9561, 0.3014,
0.2909

■ 8.9936, 0.2010,
0.0881

■ 69.3917, 0.3093,
0.3171

83.5360, 0.3160,
0.3411

96.0817, 0.3221,
0.3579

98.1568, 0.3294,
0.3572

98.2691, 0.3298,
0.3572

Harmonies

Analogous

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



22.8862, 0.1716, 0.1566



22.8862, 0.2574, 0.1744



22.8862, 0.3835, 0.2195

Triad

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



22.8862, 0.2574, 0.1744



22.8862, 0.5189, 0.4409



22.8862, 0.1452, 0.3370

Complementary

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



22.8862, 0.2574, 0.1744



63.2314, 0.3440, 0.4843

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.



22.8862, 0.2176, 0.4919



22.8862, 0.2574, 0.1744



22.8862, 0.4309, 0.5265

Square

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



22.8862, 0.2574, 0.1744



22.8862, 0.5549, 0.3586



22.8862, 0.3228, 0.5690



22.8862, 0.1183, 0.2229

Rectangle

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



22.8862, 0.2574, 0.1744



22.8862, 0.4700, 0.2614



22.8862, 0.3228, 0.5690



22.8862, 0.1641, 0.3883

Sweetspot

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



22.8871, 0.2574, 0.1744



73.0062, 0.3003, 0.2875



35.6126, 0.2257, 0.2447



14.9713, 0.2985, 0.2818



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.



22.8871, 0.2574, 0.1744



22.6226, 0.2420, 0.1434



30.8303, 0.3167, 0.1985



13.5780, 0.3058, 0.3053



5.2032, 0.2026, 0.0890



0.4139, 0.2193, 0.0982

Inverse Universe

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



28.3550, 0.3909, 0.2589



30.9646, 0.4169, 0.2484



58.2834, 0.3055, 0.5044



13.8144, 0.3214, 0.3173



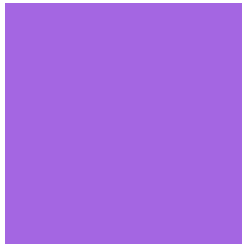
9.9294, 0.4950, 0.2501



0.7063, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 22.8862, 0.2574, 0.1744 looks on a white background.

Color Contrast Check

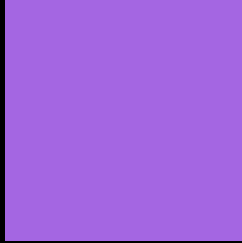
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8862, 0.2574, 0.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

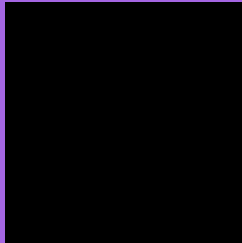
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8862, 0.2574, 0.1744

Background



This preview shows how black text looks on a background with the Yxy color 22.8862, 0.2574, 0.1744.



This preview shows how white text looks on a background with the Yxy color 22.8862, 0.2574, 0.1744.

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

22.8862, 0.2574, 0.1744

Protanopia

23.4275, 0.1871, 0.1617

Deuteranopia

23.3201, 0.2028, 0.1972



Tritanopia

22.7124, 0.3291, 0.3125

Trichromacy



Original Color

22.8862, 0.2574, 0.1744



Protanomaly

22.2571, 0.2029, 0.1626



Deuteranomaly

22.1963, 0.2161, 0.1847



Tritanomaly

22.4198, 0.3002, 0.2515

Monochromacy



Original Color

22.8862, 0.2574, 0.1744



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

23.1041, 0.2914, 0.2589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8862, 0.2574, 0.1744 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, 102, 226)` looks like.

```
.text, #text, p{  
    color:rgb(164, 102, 226)  
}
```

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, 102, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 102, 226) }
```

Border

The CSS property to change the border of an element to Yxy 22.8862, 0.2574, 0.1744 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, 102, 226) }
```

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

```
.border{ border-color:rgb(164, 102, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 102, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 102, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 102, 226);  
box-shadow:4px 4px 4px 4px rgb(164, 102,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8862, 0.2574, 0.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 102, 226) }
```

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

```
.background{ background-color: rgb(164,  
102, 226) }
```

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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