

Converting Colors

$Y_{xy}(22.7913, 0.2756, 0.2258)$

Have a look what the booklet for
Yxy(22.7913, 0.2756, 0.2258)
contains.

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Color

Yxy(22.7430, 0.2754, 0.2250)

Conversions

Conversions Part 1

Format	Color
Hex	9575BC
RGB	149, 117, 188
RGB Percent	58%, 46%, 74%
CMY	0.4155, 0.5412, 0.2627
CMYK	0.21, 0.38, 0.00, 0.26
HSL	267°, 35%, 60%
HSV	267°, 38%, 74%
XYZ	27.8374, 22.7430, 50.4996
YIQ	134.6620, -3.7190, 28.8650

Conversions

Conversions Part 2

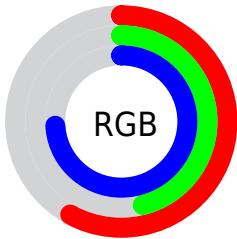
Format	Color
R_{YB}	149, 117, 188
Decimal	9795004
CIE _{Lab}	54.81, 26.85, -32.73
CIE _{LCh}	55, 42.333, 309.358
Yxy	22.7430, 0.2754, 0.2250
Android (android.graphics.Color)	4287985084 (0xFF9575BC)
YUV	134.6620, 26.2956, 12.5744
Hunter-Lab	47.6896, 20.7374, -29.4007

Details

The Yxy color **22.7430, 0.2754, 0.2250** is a light color, and the websafe version is hex **996699**. A complement of this color would be **44.3141, 0.3396, 0.4313**, and the grayscale version is **24.0003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8059, 0.2834, 0.2438**, and **8.3969, 0.2611, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **17.8666, 0.2624, 0.1949**, and if you desaturate by 10%, it is **28.5869, 0.2872, 0.2548**.

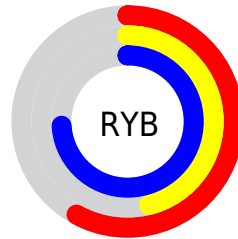
Distribution



Red (58%)

Green (46%)

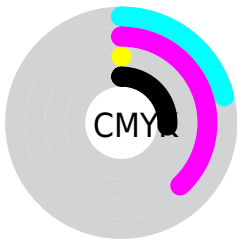
Blue (74%)



Red (58%)

Yellow (46%)

Blue (74%)

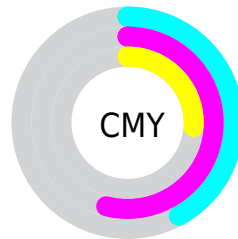


Cyan (21%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (42%)

Magenta (54%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7430, 0.2754, 0.2250 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 22.7430, 0.2754, 0.2250 by changing the saturation by 10% instead.

 22.7430, 0.2754,
0.2250


 22.7430, 0.2754,
0.2250


266.4022, 0.2970,
0.2788


 14.4039, 0.2690,
0.2113


 47.9710, 0.2840,
0.2448

 8.4021, 0.2602,
0.1935


 65.6286, 0.2870,
0.2522

 4.3533, 0.2475,
0.1700


 87.1612, 0.2894,
0.2584

 1.8731, 0.2278,
0.1380

112.9531, 0.2914,
0.2637

 0.5321, 0.1963,
0.0868

143.3888, 0.2931,
0.2683

 0.0000, 0.0558,
0.0000

178.8526, 0.2946,

 0.0000, 0.0000,

0.2722

0.0000

219.7290, 0.2959,
0.2757

■ 22.7430, 0.2754,
0.2250

■ 22.7430, 0.2754,
0.2250

■ 17.8666, 0.2624,
0.1949

■ 28.5869, 0.2872,
0.2548

■ 13.8998, 0.2486,
0.1656

■ 35.4462, 0.2976,
0.2833

■ 10.7824, 0.2344,
0.1388

■ 43.3689, 0.3066,
0.3098

■ 8.4458, 0.2203,
0.1159

■ 52.3992, 0.3143,
0.3342

■ 6.8098, 0.2072,
0.0983

■ 62.5784, 0.3209,
0.3563

■ 5.7549, 0.1955,
0.0861

■ 73.9462, 0.3264,
0.3762

■ 5.5548, 0.1931,
0.0837

■ 86.5398, 0.3310,
0.3939

■ 92.2335, 0.3369,
0.3985

■ 94.0065, 0.3437,
0.3969

Harmonies

Analogous

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



22.7430, 0.2186, 0.2151



22.7430, 0.2754, 0.2250



22.7430, 0.3506, 0.2558

Triad

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



22.7430, 0.2754, 0.2250



22.7430, 0.4509, 0.4111



22.7430, 0.2111, 0.3454

Complementary

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



22.7430, 0.2754, 0.2250



44.3141, 0.3396, 0.4313

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.



22.7430, 0.2651, 0.4233



22.7430, 0.2754, 0.2250



22.7430, 0.4039, 0.4550

Square

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



22.7430, 0.2754, 0.2250



22.7430, 0.4596, 0.3562



22.7430, 0.3357, 0.4656



22.7430, 0.1851, 0.2737

Rectangle

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



22.7430, 0.2754, 0.2250



22.7430, 0.4004, 0.2853



22.7430, 0.3357, 0.4656



22.7430, 0.2263, 0.3726

Sweetspot

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



22.7439, 0.2754, 0.2250



73.4838, 0.3037, 0.3010



31.2043, 0.2536, 0.2796



15.3793, 0.3025, 0.2974



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7439, 0.2754, 0.2250



34.0422, 0.2652, 0.2010



26.5970, 0.3132, 0.2359



9.4305, 0.3053, 0.3058



3.8249, 0.1944, 0.0844



0.1887, 0.2221, 0.0997

Inverse Universe

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



25.8103, 0.3537, 0.2758



40.5482, 0.3660, 0.2647



41.2826, 0.3101, 0.4412



9.6216, 0.3205, 0.3165



7.9633, 0.4731, 0.2380



0.3250, 0.4272, 0.2127

Previews

White Background



This preview shows how the Yxy color 22.7430, 0.2754, 0.2250 looks on a white background.

Color Contrast Check

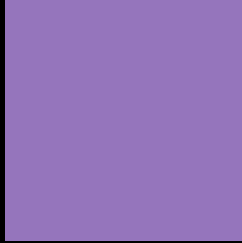
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7430, 0.2754, 0.2250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

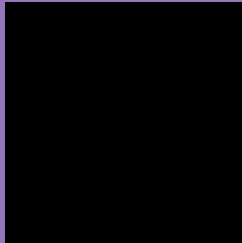
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7430, 0.2754, 0.2250

Background



This preview shows how black text looks on a background with the Yxy color 22.7430, 0.2754, 0.2250.



This preview shows how white text looks on a background with the Yxy color 22.7430, 0.2754, 0.2250.

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

22.7430, 0.2754, 0.2250

Protanopia

22.9035, 0.2327, 0.2211

Deuteranopia

22.9128, 0.2455, 0.2401



Tritanopia

22.8488, 0.3158, 0.3121

Trichromacy



Original Color

22.7430, 0.2754, 0.2250

Protanomaly

22.6998, 0.2463, 0.2228

Deuteranomaly

22.5724, 0.2549, 0.2333

Tritanomaly

22.6552, 0.3002, 0.2772

Monochromacy



Original Color

22.7430, 0.2754, 0.2250

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.3469, 0.2990, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7430, 0.2754, 0.2250 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(149, 117, 188)` looks like.

```
.text, #text, p{  
    color:rgb(149, 117, 188)  
}
```

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(149, 117, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 117, 188) }
```

Border

The CSS property to change the border of an element to Yxy 22.7430, 0.2754, 0.2250 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(149, 117, 188) }
```

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

```
.border{ border-color:rgb(149, 117, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 117, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 117, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 117, 188);  
box-shadow:4px 4px 4px 4px rgb(149, 117,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7430, 0.2754, 0.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 117, 188) }
```

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

```
.background{ background-color: rgb(149,  
117, 188) }
```

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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