

Converting Colors

$Y_{xy}(22.1305, 0.2977, 0.2756)$

Have a look what the booklet for
Yxy(22.1305, 0.2977, 0.2756)
contains.

Yxy(22.1417, 0.2969, 0.2750)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.1417, 0.2969, 0.2750)

Conversions

Conversions Part 1

Format	Color
Hex	8C7B9C
RGB	140, 123, 156
RGB Percent	55%, 48%, 61%
CMY	0.4508, 0.5177, 0.3882
CMYK	0.10, 0.21, 0.00, 0.39
HSL	271°, 14%, 55%
HSV	271°, 21%, 61%
XYZ	23.9050, 22.1417, 34.4686
YIQ	131.8450, -0.4610, 13.8670

Conversions

Conversions Part 2

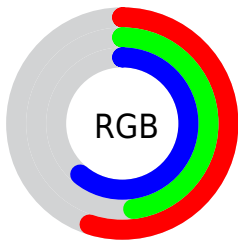
Format	Color
RYB	140, 123, 156
Decimal	9206684
CIELab	54.18, 13.12, -15.31
CIELCh	54, 20.167, 310.602
Yxy	22.1417, 0.2969, 0.2750
Android (android.graphics.Color)	4287396764 (0xFF8C7B9C)
YUV	131.8450, 11.9084, 7.1519
Hunter-Lab	47.0550, 8.3358, -10.4925

Details

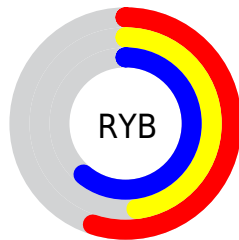
The Yxy color **22.1417, 0.2969, 0.2750** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **30.6929, 0.3260, 0.3833**, and the grayscale version is **22.9743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2232, 0.3004, 0.2864**, and **8.0911, 0.2903, 0.2549** is the 20% darker color. If you saturate the color by 10%, you get **17.9431, 0.2876, 0.2470**, and if you desaturate by 10%, it is **27.0039, 0.3050, 0.3016**.

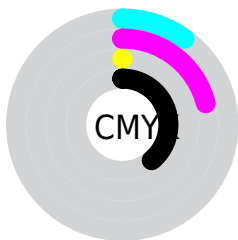
Distribution



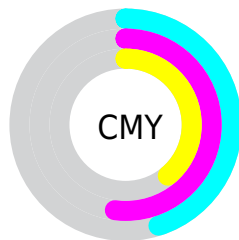
- Red (55%)
- Green (48%)
- Blue (61%)



- Red (55%)
- Yellow (48%)
- Blue (61%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (39%)





- Cyan (45%)
- Magenta (52%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1417, 0.2969, 0.2750 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 22.1417, 0.2969, 0.2750 by changing the saturation by 10% instead.


 22.1417, 0.2969,
0.2750


 22.1417, 0.2969,
0.2750


263.2854, 0.3061,
0.3043


 13.9611, 0.2941,
0.2668


 46.9801, 0.3006,
0.2863

 8.0936, 0.2901,
0.2558


 64.4066, 0.3019,
0.2903

 4.1549, 0.2841,
0.2401

 85.6839, 0.3029,
0.2937

 1.7606, 0.2740,
0.2160

111.1963, 0.3037,
0.2965

 0.4624, 0.2590,
0.1576

141.3283, 0.3045,
0.2989

 0.0000, 0.0000,
0.0000

176.4642, 0.3051,

0.3009

216.9884, 0.3056,
0.3027

■ 22.1417, 0.2969,
0.2750

■ 22.1417, 0.2969,
0.2750

■ 17.9431, 0.2876,
0.2470

■ 27.0039, 0.3050,
0.3016

■ 14.3751, 0.2771,
0.2181

■ 32.5549, 0.3120,
0.3263

■ 11.4064, 0.2656,
0.1894

■ 38.8221, 0.3179,
0.3489

■ 9.0015, 0.2533,
0.1621

■ 45.8306, 0.3228,
0.3694

■ 7.1211, 0.2407,
0.1376

■ 53.6041, 0.3269,
0.3878

■ 5.7207, 0.2283,
0.1171

■ 62.1653, 0.3304,
0.4044

■ 4.7478, 0.2165,
0.1017

■ 71.5360, 0.3332,
0.4192

■ 4.1324, 0.2069,
0.0913

■ 81.7372, 0.3355,
0.4324

■ 87.3171, 0.3391,
0.4370

Harmonies

Analogous

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



22.1417, 0.2663, 0.2701



22.1417, 0.2969, 0.2750



22.1417, 0.3336, 0.2923

Triad

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



22.1417, 0.2969, 0.2750



22.1417, 0.3806, 0.3750



22.1417, 0.2613, 0.3370

Complementary

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



22.1417, 0.2969, 0.2750



30.6929, 0.3260, 0.3833

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.



22.1417, 0.2897, 0.3704



22.1417, 0.2969, 0.2750



22.1417, 0.3588, 0.3918

Square

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



22.1417, 0.2969, 0.2750



22.1417, 0.3835, 0.3480



22.1417, 0.3253, 0.3910



22.1417, 0.2467, 0.3034

Rectangle

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



22.1417, 0.2969, 0.2750



22.1417, 0.3564, 0.3090



22.1417, 0.3253, 0.3910



22.1417, 0.2695, 0.3488

Sweetspot

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



22.1426, 0.2969, 0.2750



53.9708, 0.3087, 0.3143



25.0601, 0.2801, 0.3001



11.7458, 0.3083, 0.3128



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.1426, 0.2969, 0.2750



36.7676, 0.2930, 0.2630



23.6130, 0.3157, 0.2787



6.5953, 0.3064, 0.3064



3.4243, 0.2076, 0.0917



0.0864, 0.2519, 0.1161

Inverse Universe

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



23.0936, 0.3346, 0.3036



38.8201, 0.3402, 0.2981



29.4324, 0.3096, 0.3850



6.6969, 0.3212, 0.3182



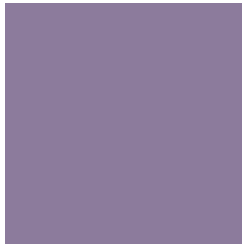
6.2517, 0.4985, 0.2520



0.1203, 0.4140, 0.2055

Previews

White Background



This preview shows how the Yxy color 22.1417, 0.2969, 0.2750 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 22.1417, 0.2969, 0.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

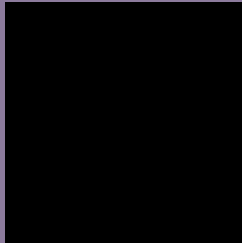
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1417, 0.2969, 0.2750

Background



This preview shows how black text looks on a background with the Yxy color 22.1417, 0.2969, 0.2750.



This preview shows how white text looks on a background with the Yxy color 22.1417, 0.2969, 0.2750.

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

22.1417, 0.2969, 0.2750

Protanopia

22.1140, 0.2742, 0.2745

Deuteranopia

22.2911, 0.2871, 0.2817



Tritanopia

22.0176, 0.3147, 0.3118

Trichromacy



Original Color

22.1417, 0.2969, 0.2750

Protanomaly

22.0920, 0.2821, 0.2737

Deuteranomaly

22.3566, 0.2913, 0.2806

Tritanomaly

22.0537, 0.3083, 0.2985

Monochromacy



Original Color

22.1417, 0.2969, 0.2750

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.7745, 0.3068, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1417, 0.2969, 0.2750 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(140, 123, 156)` looks like.

```
.text, #text, p{  
    color:rgb(140, 123, 156)  
}
```

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(140, 123, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 123, 156) }
```

Border

The CSS property to change the border of an element to Yxy 22.1417, 0.2969, 0.2750 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(140, 123, 156) }
```

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

```
.border{ border-color:rgb(140, 123, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 123, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 123, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 123, 156);  
box-shadow:4px 4px 4px 4px rgb(140, 123,  
156) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.1417, 0.2969, 0.2750$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 123, 156) }
```

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

```
.background{ background-color: rgb(140,  
123, 156) }
```

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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