

Converting Colors

$Y_{xy}(22.2138, 0.3435, 0.2877)$

Have a look what the booklet for
Yxy(22.2138, 0.3435, 0.2877)
contains.

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Color

Yxy(22.2138, 0.3435, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	A5738E
RGB	165, 115, 142
RGB Percent	65%, 45%, 56%
CMY	0.3531, 0.5489, 0.4432
CMYK	0.00, 0.30, 0.14, 0.35
HSL	328°, 22%, 55%
HSV	328°, 30%, 65%
XYZ	26.5222, 22.2138, 28.4757
YIQ	133.0280, 21.1330, 18.9970

Conversions

Conversions Part 2

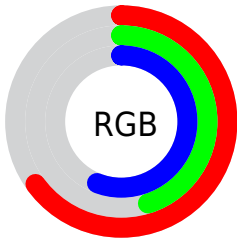
Format	Color
R _Y B	165, 115, 142
Decimal	10843022
CIE Lab	54.25, 23.92, -6.77
CIE LCh	54, 24.859, 344.189
Yxy	22.2138, 0.3435, 0.2877
Android (android.graphics.Color)	4289033102 (0xFFA5738E)
YUV	133.0280, 4.4232, 28.0394
Hunter-Lab	47.1315, 17.9667, -2.8295

Details

The Yxy color $22.2138, 0.3435, 0.2877$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.3751, 0.2904, 0.3745$, and the grayscale version is $23.4440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9951, 0.3370, 0.2954$, and $8.1139, 0.3543, 0.2722$ is the 20% darker color. If you saturate the color by 10%, you get $18.5621, 0.3576, 0.2737$, and if you desaturate by 10%, it is $26.5562, 0.3315, 0.3018$.

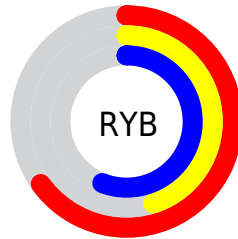
Distribution



Red (65%)

Green (45%)

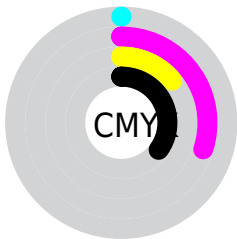
Blue (56%)



Red (65%)

Yellow (45%)

Blue (56%)

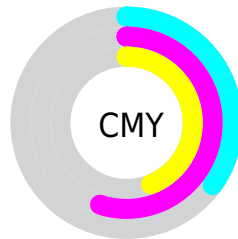


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (35%)



Cyan (35%)


Magenta (55%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2138, 0.3435, 0.2877 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 22.2138, 0.3435, 0.2877 by changing the saturation by 10% instead.


 22.2138, 0.3435,
0.2877


 22.2138, 0.3435,
0.2877


263.6608, 0.3266,
0.3102


 14.0141, 0.3483,
0.2814


 47.0991, 0.3369,
0.2964

 8.1305, 0.3550,
0.2728


 64.5535, 0.3346,
0.2995

 4.1785, 0.3646,
0.2604

 85.8615, 0.3327,
0.3020

 1.7739, 0.3800,
0.2412

 111.4077, 0.3310,
0.3042

 0.4708, 0.4179,
0.1881

141.5763, 0.3297,
0.3060

 0.0000, 0.0000,
0.0000

176.7517, 0.3285,

0.3076

217.3184, 0.3275,
0.3090

■ 22.2138, 0.3435,
0.2877

■ 22.2138, 0.3435,
0.2877

■ 18.5621, 0.3576,
0.2737

■ 26.5562, 0.3315,
0.3018

■ 15.5619, 0.3740,
0.2605

■ 31.6199, 0.3214,
0.3156

■ 13.1747, 0.3925,
0.2490

■ 37.4372, 0.3129,
0.3287

■ 11.3566, 0.4129,
0.2403

■ 44.0376, 0.3059,
0.3409

■ 10.0578, 0.4345,
0.2357

■ 51.4488, 0.3001,
0.3523

■ 9.2196, 0.4563,
0.2360

■ 59.6976, 0.2952,
0.3628

■ 8.7169, 0.4774,
0.2403

■ 68.8090, 0.2912,
0.3724

■ 78.8074, 0.2879,
0.3813

■ 84.1815, 0.2845,
0.3806

Harmonies

Analogous

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



22.2138, 0.2982, 0.2655



22.2138, 0.3435, 0.2877



22.2138, 0.3823, 0.3196

Triad

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



22.2138, 0.3435, 0.2877



22.2138, 0.3644, 0.4075



22.2138, 0.2318, 0.2925

Complementary

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



22.2138, 0.3435, 0.2877



32.3751, 0.2904, 0.3745

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.



22.2138, 0.2468, 0.3330



22.2138, 0.3435, 0.2877



22.2138, 0.3222, 0.4046

Square

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



22.2138, 0.3435, 0.2877



22.2138, 0.3939, 0.3878



22.2138, 0.2793, 0.3761



22.2138, 0.2363, 0.2661

Rectangle

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



22.2138, 0.3435, 0.2877



22.2138, 0.3976, 0.3435



22.2138, 0.2793, 0.3761



22.2138, 0.2346, 0.3048

Sweetspot

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



22.2148, 0.3435, 0.2877



57.7453, 0.3204, 0.3171



20.3430, 0.2846, 0.2483



12.3270, 0.3216, 0.3152



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.2148, 0.3435, 0.2877



35.4863, 0.3523, 0.2787



21.5589, 0.3754, 0.3253



7.1469, 0.3204, 0.3169



6.6087, 0.4754, 0.2392



0.1483, 0.4061, 0.2011

Inverse Universe

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



22.2148, 0.3435, 0.2877



35.4863, 0.3523, 0.2787



33.1652, 0.2719, 0.3329



7.1469, 0.3204, 0.3169



6.6087, 0.4754, 0.2392



0.1483, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 22.2138, 0.3435, 0.2877 looks on a white background.

Color Contrast Check

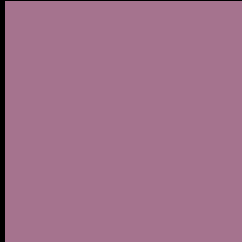
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2138, 0.3435, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

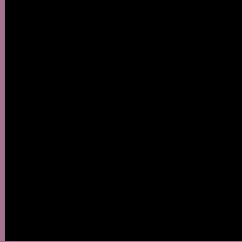
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2138, 0.3435, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 22.2138, 0.3435, 0.2877.



This preview shows how white text looks on a background with the Yxy color 22.2138, 0.3435, 0.2877.

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

22.2138, 0.3435, 0.2877

Protanopia

22.3705, 0.2868, 0.2911

Deuteranopia

22.2184, 0.3115, 0.3052



Tritanopia

22.2757, 0.3593, 0.3149

Trichromacy



Original Color

22.2138, 0.3435, 0.2877

Protanomaly

22.1289, 0.3053, 0.2891

Deuteranomaly

22.1381, 0.3226, 0.2978

Tritanomaly

22.2810, 0.3545, 0.3057

Monochromacy



Original Color

22.2138, 0.3435, 0.2877

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.7190, 0.3242, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2138, 0.3435, 0.2877 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(165, 115, 142)` looks like.

```
.text, #text, p{  
    color:rgb(165, 115, 142)  
}
```

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(165, 115, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 115, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.2138, 0.3435, 0.2877 is called "border". The border property can be set on classes, ids or directly on the HTML element.

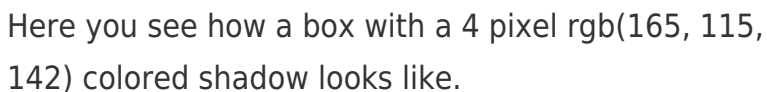
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 115, 142) }
```

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

```
.border{ border-color:rgb(165, 115, 142) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 115, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 115, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 115, 142); box-shadow:4px 4px 4px 4px rgb(165, 115, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2138, 0.3435, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 115, 142) }
```

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

```
.background{ background-color: rgb(165,  
115, 142) }
```

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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