

Converting Colors

$Y_{xy}(22.1474, 0.2943, 0.2511)$

Have a look what the booklet for
Yxy(22.1474, 0.2943, 0.2511)
contains.

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Color

Yxy(22.1736, 0.2945, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	9576A8
RGB	149, 118, 168
RGB Percent	58%, 46%, 66%
CMY	0.4159, 0.5372, 0.3412
CMYK	0.11, 0.30, 0.00, 0.34
HSL	277°, 22%, 56%
HSV	277°, 30%, 66%
XYZ	25.9338, 22.1736, 39.9530
YIQ	132.9690, 2.4260, 22.1220

Conversions

Conversions Part 2

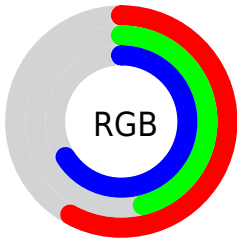
Format	Color
RYB	149, 118, 168
Decimal	9795240
CIELab	54.21, 21.67, -22.13
CIElCh	54, 30.971, 314.393
Yxy	22.1736, 0.2945, 0.2518
Android (android.graphics.Color)	4287985320 (0xFF9576A8)
YUV	132.9690, 17.2703, 14.0592
Hunter-Lab	47.0889, 15.9018, -17.3430

Details

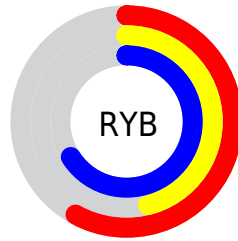
The Yxy color $22.1736, 0.2945, 0.2518$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.6327, 0.3262, 0.4093$, and the grayscale version is $23.3783, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.9145, 0.2995, 0.2672$, and $8.1139, 0.2868, 0.2255$ is the 20% darker color. If you saturate the color by 10%, you get $17.9780, 0.2865, 0.2240$, and if you desaturate by 10%, it is $27.1088, 0.3016, 0.2791$.

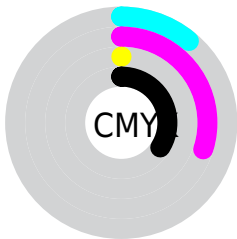
Distribution



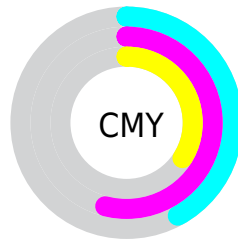
- Red (58%)
- Green (46%)
- Blue (66%)



- Red (58%)
- Yellow (46%)
- Blue (66%)



- Cyan (11%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)




- Cyan (42%)
- Magenta (54%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1736, 0.2945, 0.2518 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 22.1736, 0.2945, 0.2518 by changing the saturation by 10% instead.


 22.1736, 0.2945,
0.2518


 22.1736, 0.2945,
0.2518


263.4515, 0.3054,
0.2928


 13.9845, 0.2911,
0.2408


 47.0328, 0.2989,
0.2673

 8.1099, 0.2862,
0.2262


 64.4716, 0.3004,
0.2729

 4.1653, 0.2789,
0.2061

 85.7625, 0.3017,
0.2776

 1.7665, 0.2666,
0.1767

111.2899, 0.3027,
0.2816

 0.4662, 0.2470,
0.1176

141.4380, 0.3035,
0.2850

 0.0000, 0.0000,
0.0000

176.5914, 0.3042,

0.2880

217.1345, 0.3048,
0.2906

■ 22.1736, 0.2945,
0.2518

■ 22.1736, 0.2945,
0.2518

■ 17.9780, 0.2865,
0.2240

■ 27.1088, 0.3016,
0.2791

■ 14.4812, 0.2775,
0.1965

■ 32.8160, 0.3077,
0.3052

■ 11.6428, 0.2679,
0.1706


■ 39.3289, 0.3128,
0.3296

■ 9.4170, 0.2578,
0.1474


■ 46.6784, 0.3172,
0.3521

■ 7.7518, 0.2476,
0.1282


■ 54.8938, 0.3207,
0.3727

 6.5861, 0.2377,
0.1137

 64.0029, 0.3237,
0.3914

 5.7890, 0.2283,
0.1032

 74.0323, 0.3260,
0.4082

 5.7699, 0.2280,
0.1030

 85.0075, 0.3279,
0.4232

 87.5467, 0.3317,
0.4243

Harmonies

Analogous

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



22.1736, 0.2475, 0.2415



22.1736, 0.2945, 0.2518



22.1736, 0.3510, 0.2786

Triad

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



22.1736, 0.2945, 0.2518



22.1736, 0.4129, 0.4005



22.1736, 0.2313, 0.3328

Complementary

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



22.1736, 0.2945, 0.2518



34.6327, 0.3262, 0.4093

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.



22.1736, 0.2703, 0.3883



22.1736, 0.2945, 0.2518



22.1736, 0.3755, 0.4268

Square

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



22.1736, 0.2945, 0.2518



22.1736, 0.4229, 0.3601



22.1736, 0.3230, 0.4247



22.1736, 0.2137, 0.2824

Rectangle

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



22.1736, 0.2945, 0.2518



22.1736, 0.3857, 0.3032



22.1736, 0.3230, 0.4247



22.1736, 0.2421, 0.3518

Sweetspot

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



22.1745, 0.2945, 0.2518



60.2014, 0.3080, 0.3066



24.6215, 0.2651, 0.2776



12.7834, 0.3072, 0.3031



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.1745, 0.2945, 0.2518



34.8375, 0.2890, 0.2326



23.9002, 0.3226, 0.2644



7.5218, 0.3079, 0.3063



4.3879, 0.2289, 0.1035



0.1347, 0.2601, 0.1207

Inverse Universe

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



23.0936, 0.3528, 0.3001



36.8842, 0.3658, 0.2931



33.3058, 0.3042, 0.4035



7.5878, 0.3228, 0.3204



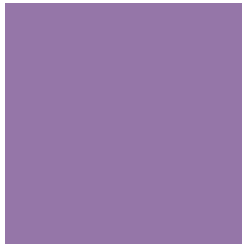
6.5754, 0.5412, 0.2755



0.1700, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 22.1736, 0.2945, 0.2518 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 22.1736, 0.2945, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

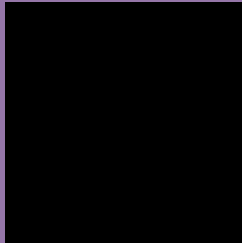
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1736, 0.2945, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 22.1736, 0.2945, 0.2518.



This preview shows how white text looks on a background with the Yxy color 22.1736, 0.2945, 0.2518.

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

22.1736, 0.2945, 0.2518

Protanopia

22.2859, 0.2551, 0.2498

Deuteranopia

22.1429, 0.2697, 0.2638



Tritanopia

22.3178, 0.3254, 0.3139

Trichromacy



Original Color

22.1736, 0.2945, 0.2518

Protanomaly

22.0216, 0.2681, 0.2496

Deuteranomaly

22.1109, 0.2775, 0.2589

Tritanomaly

22.1054, 0.3146, 0.2897

Monochromacy



Original Color

22.1736, 0.2945, 0.2518

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.0026, 0.3061, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1736, 0.2945, 0.2518 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, 118, 168)` looks like.

```
.text, #text, p{  
    color:rgb(149, 118, 168)  
}
```

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, 118, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 118, 168) }
```

Border

The CSS property to change the border of an element to Yxy 22.1736, 0.2945, 0.2518 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, 118, 168) }
```

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

```
.border{ border-color:rgb(149, 118, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 118, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 118, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 118, 168);  
box-shadow:4px 4px 4px 4px rgb(149, 118,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1736, 0.2945, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 118, 168) }
```

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

```
.background{ background-color: rgb(149,  
118, 168) }
```

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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