

Converting Colors

$Y_{xy}(11.2857, 0.3336, 0.2056)$

Have a look what the booklet for
Yxy(11.2857, 0.3336, 0.2056)
contains.

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Color

Yxy(11.2697, 0.3330, 0.2058)

Conversions

Conversions Part 1

Format	Color
Hex	933C8A
RGB	147, 60, 138
RGB Percent	58%, 24%, 54%
CMY	0.4235, 0.7647, 0.4589
CMYK	0.00, 0.59, 0.06, 0.42
HSL	306°, 42%, 41%
HSV	306°, 59%, 58%
XYZ	18.2352, 11.2697, 25.2555
YIQ	94.9050, 26.8140, 42.7020

Conversions

Conversions Part 2

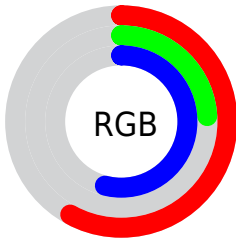
Format	Color
R_{YB}	147, 60, 138
Decimal	9649290
CIE _{Lab}	40.03, 46.86, -26.28
CIE _{LCh}	40, 53.729, 330.719
Yxy	11.2697, 0.3330, 0.2058
Android (android.graphics.Color)	4287839370 (0xFF933C8A)
YUV	94.9050, 21.2458, 45.6873
Hunter-Lab	33.5704, 38.2120, -21.1055

Details

The Yxy color **11.2697, 0.3330, 0.2058** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.2581, 0.2981, 0.4962**, and the grayscale version is **11.3639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0906, 0.3295, 0.2317**, and **3.0317, 0.3339, 0.1613** is the 20% darker color. If you saturate the color by 10%, you get **9.8943, 0.3370, 0.1910**, and if you desaturate by 10%, it is **13.0747, 0.3290, 0.2237**.

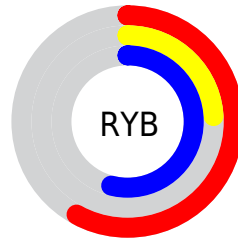
Distribution



Red (58%)

Green (24%)

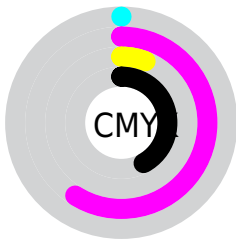
Blue (54%)



Red (58%)

Yellow (24%)

Blue (54%)

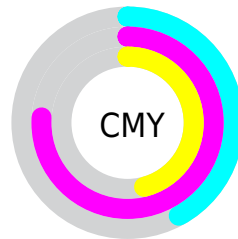


Cyan (0%)

Magenta (59%)

Yellow (6%)

Black (42%)



Cyan (42%)


Magenta (76%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.2697, 0.3330, 0.2058 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 11.2697, 0.3330, 0.2058 by changing the saturation by 10% instead.


 11.2697, 0.3330,
0.2058


 11.2697, 0.3330,
0.2058


 199.5086, 0.3234,
0.2743

 6.2485, 0.3348,
0.1864


 28.1578, 0.3298,
0.2324


 2.9968, 0.3363,
0.1604


 40.7936, 0.3285,
0.2419


 1.1301, 0.3365,
0.1243

 56.7363, 0.3274,
0.2497

 0.0034, 0.3569,
0.0010

 76.3704, 0.3264,
0.2562

 0.0000, 0.1301,
0.0000

 100.0803, 0.3255,
0.2618

 0.0000, 0.0000,
0.0000

 128.2504, 0.3247,

0.2665

161.2650, 0.3240,
0.2707

■ 11.2697, 0.3330,
0.2058

■ 11.2697, 0.3330,
0.2058

■ 9.8943, 0.3370,
0.1910

■ 13.0747, 0.3290,
0.2237

■ 8.9104, 0.3409,
0.1799

■ 15.3399, 0.3252,
0.2439

■ 8.2761, 0.3446,
0.1730

■ 18.0950, 0.3216,
0.2655

■ 7.8925, 0.3480,
0.1695

■ 21.3669, 0.3182,
0.2875

■ 7.8629, 0.3483,
0.1692

■ 25.1802, 0.3152,
0.3095

■ 29.5583, 0.3125,
0.3307

■ 34.5231, 0.3101,
0.3509

■ 40.0951, 0.3081,
0.3699

■ 46.2941, 0.3063,
0.3875

Harmonies

Analogous

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



11.2697, 0.2252, 0.1716



11.2697, 0.3330, 0.2058



11.2697, 0.4566, 0.2630

Triad

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



11.2697, 0.3330, 0.2058



11.2697, 0.4625, 0.4907



11.2697, 0.1320, 0.2626

Complementary

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



11.2697, 0.3330, 0.2058



22.2581, 0.2981, 0.4962

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.



11.2697, 0.1746, 0.3908



11.2697, 0.3330, 0.2058



11.2697, 0.3643, 0.5505

Square

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



11.2697, 0.3330, 0.2058



11.2697, 0.5301, 0.4091



11.2697, 0.2595, 0.5215



11.2697, 0.1284, 0.1909

Rectangle

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



11.2697, 0.3330, 0.2058



11.2697, 0.5172, 0.3086



11.2697, 0.2595, 0.5215



11.2697, 0.1414, 0.2995

Sweetspot

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



11.2702, 0.3330, 0.2058



38.7809, 0.3180, 0.2893



6.5936, 0.2103, 0.1489



8.4680, 0.3188, 0.2834



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



11.2702, 0.3330, 0.2058



17.0672, 0.3383, 0.1869



10.2582, 0.4144, 0.2707



5.8989, 0.3152, 0.3094



6.8188, 0.3481, 0.1691



0.0859, 0.3333, 0.1610

Inverse Universe

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



11.2702, 0.3330, 0.2058



17.0672, 0.3383, 0.1869



23.0026, 0.2660, 0.4017



5.8989, 0.3152, 0.3094



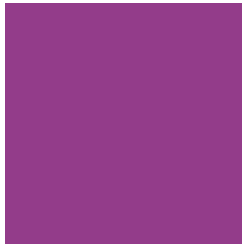
6.8188, 0.3481, 0.1691



0.0859, 0.3333, 0.1610

Previews

White Background



This preview shows how the Yxy color 11.2697, 0.3330, 0.2058 looks on a white 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

Black Background



This preview shows how the Xy color 11.2697, 0.3330, 0.2058 looks on a black 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

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

Yxy 11.2697, 0.3330, 0.2058

Background



This preview shows how black text looks on a background with the Yxy color 11.2697, 0.3330, 0.2058.



This preview shows how white text looks on a background with the Yxy color 11.2697, 0.3330, 0.2058.

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

11.2697, 0.3330, 0.2058

Protanopia

11.6060, 0.2061, 0.1871

Deuteranopia

11.4652, 0.2503, 0.2463



Tritanopia

11.2890, 0.4227, 0.3185

Trichromacy



Original Color

11.2697, 0.3330, 0.2058

Protanomaly

10.6123, 0.2367, 0.1866

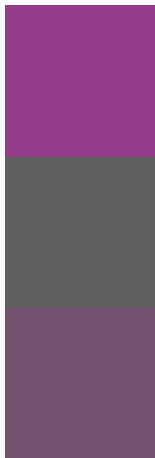
Deuteranomaly

10.8200, 0.2762, 0.2253

Tritanomaly

11.1793, 0.3883, 0.2728

Monochromacy



Original Color

11.2697, 0.3330, 0.2058

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.7597, 0.3204, 0.2688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2697, 0.3330, 0.2058 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(147, 60, 138)` looks like.

```
.text, #text, p{  
    color:rgb(147, 60, 138)  
}
```

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(147, 60, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 60, 138) }
```

Border

The CSS property to change the border of an element to Yxy 11.2697, 0.3330, 0.2058 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(147, 60, 138) }
```

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

```
.border{ border-color:rgb(147, 60, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 60, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 60, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 60, 138);  
box-shadow:4px 4px 4px 4px rgb(147, 60,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2697, 0.3330, 0.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 60, 138) }
```

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

```
.background{ background-color: rgb(147, 60,  
138) }
```

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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