

Converting Colors

$Y_{xy}(12.9816, 0.2936, 0.1746)$

Have a look what the booklet for
Yxy(12.9816, 0.2936, 0.1746)
contains.

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Color

Yxy(12.9268, 0.2936, 0.1746)

Conversions

Conversions Part 1

Format	Color
Hex	973EAA
RGB	151, 62, 170
RGB Percent	59%, 24%, 67%
CMY	0.4079, 0.7568, 0.3334
CMYK	0.11, 0.64, 0.00, 0.33
HSL	289°, 47%, 45%
HSV	289°, 64%, 67%
XYZ	21.7372, 12.9268, 39.3727
YIQ	100.9230, 18.3760, 52.4560

Conversions

Conversions Part 2

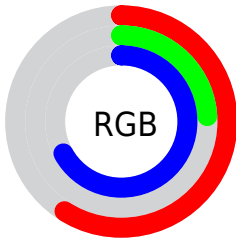
Format	Color
RYB	151, 62, 170
Decimal	9911978
CIELab	42.65, 52.95, -41.36
CIELCh	43, 67.193, 322.007
Yxy	12.9268, 0.2936, 0.1746
Android (android.graphics.Color)	4288102058 (0xFF973EAA)
YUV	100.9230, 34.0550, 43.9175
Hunter-Lab	35.9539, 44.9992, -39.7602

Details

The Yxy color **12.9268, 0.2936, 0.1746** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.8430, 0.3158, 0.5226**, and the grayscale version is **12.9020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1624, 0.3006, 0.2042**, and **3.8257, 0.2797, 0.1314** is the 20% darker color. If you saturate the color by 10%, you get **11.0755, 0.2892, 0.1570**, and if you desaturate by 10%, it is **15.3646, 0.2978, 0.1957**.

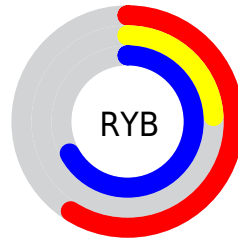
Distribution



Red (59%)

Green (24%)

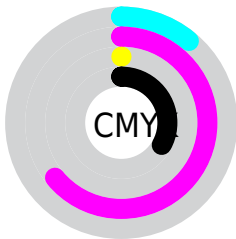
Blue (67%)



Red (59%)

Yellow (24%)

Blue (67%)

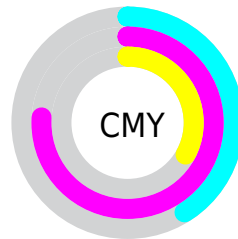


Cyan (11%)

Magenta (64%)

Yellow (0%)

Black (33%)



Cyan (41%)


Magenta (76%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9268, 0.2936, 0.1746 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 12.9268, 0.2936, 0.1746 by changing the saturation by 10% instead.


 12.9268, 0.2936,
0.1746


 12.9268, 0.2936,
0.1746


210.4480, 0.3083,
0.2556


 7.3782, 0.2877,
0.1540


 31.1722, 0.3005,
0.2045


 3.6997, 0.2785,
0.1280


 44.6378, 0.3026,
0.2157


 1.5070, 0.2634,
0.0950

 61.5111, 0.3042,
0.2250

 0.2937, 0.2402,
0.0391

 82.1766, 0.3054,
0.2330

 0.0000, 0.1764,
0.0000

 107.0186, 0.3064,
0.2399

 0.0000, 0.0000,
0.0000

136.4216, 0.3072,

0.2458

170.7699, 0.3078,
0.2510

■ 12.9268, 0.2936,
0.1746

■ 12.9268, 0.2936,
0.1746

■ 11.0755, 0.2892,
0.1570

■ 15.3646, 0.2978,
0.1957

■ 9.7532, 0.2846,
0.1435

■ 18.4363, 0.3016,
0.2194

■ 8.8931, 0.2800,
0.1344

■ 22.1860, 0.3049,
0.2446

■ 8.4829, 0.2770,
0.1300

■ 26.6535, 0.3078,
0.2704

■ 31.8756, 0.3102,
0.2960

■ 37.8864, 0.3121,
0.3206

■ 44.7181, 0.3137,
0.3440

■ 52.4009, 0.3149,
0.3657

■ 60.9635, 0.3158,
0.3858

Harmonies

Analogous

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



12.9268, 0.1842, 0.1458



12.9268, 0.2936, 0.1746



12.9268, 0.4419, 0.2307

Triad

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



12.9268, 0.2936, 0.1746



12.9268, 0.5052, 0.4767



12.9268, 0.1153, 0.2834

Complementary

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



12.9268, 0.2936, 0.1746



30.8430, 0.3158, 0.5226

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.



12.9268, 0.1733, 0.4557



12.9268, 0.2936, 0.1746



12.9268, 0.3954, 0.5699

Square

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



12.9268, 0.2936, 0.1746



12.9268, 0.5726, 0.3824



12.9268, 0.2771, 0.5902



12.9268, 0.1028, 0.1849

Rectangle

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



12.9268, 0.2936, 0.1746



12.9268, 0.5284, 0.2779



12.9268, 0.2771, 0.5902



12.9268, 0.1288, 0.3344

Sweetspot

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



12.9273, 0.2936, 0.1746



52.1478, 0.3088, 0.2812



9.9338, 0.1992, 0.1616



11.0597, 0.3081, 0.2740



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.9273, 0.2936, 0.1746



19.0633, 0.2874, 0.1512



13.7643, 0.3716, 0.2250



7.5989, 0.3111, 0.3066



6.2628, 0.2775, 0.1302



0.1694, 0.2928, 0.1387

Inverse Universe

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



12.5870, 0.4762, 0.3029



18.6978, 0.5339, 0.3032



30.6177, 0.2837, 0.4699



7.5631, 0.3259, 0.3250



6.3613, 0.6100, 0.3134



0.1608, 0.5320, 0.2704

Previews

White Background



This preview shows how the Yxy color 12.9268, 0.2936, 0.1746 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 Yxy color 12.9268, 0.2936, 0.1746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

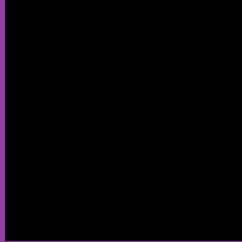
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9268, 0.2936, 0.1746

Background



This preview shows how black text looks on a background with the Yxy color 12.9268, 0.2936, 0.1746.



This preview shows how white text looks on a background with the Yxy color 12.9268, 0.2936, 0.1746.

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

12.9268, 0.2936, 0.1746

Protanopia

13.3137, 0.1775, 0.1504

Deuteranopia

13.2709, 0.2139, 0.2096



Tritanopia

12.8452, 0.3940, 0.3164

Trichromacy



Original Color

12.9268, 0.2936, 0.1746



Protanomaly

11.5680, 0.1949, 0.1481



Deuteranomaly

12.0564, 0.2333, 0.1861



Tritanomaly

12.5931, 0.3551, 0.2548

Monochromacy



Original Color

12.9268, 0.2936, 0.1746



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.2447, 0.3057, 0.2533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9268, 0.2936, 0.1746 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(151, 62, 170)` looks like.

```
.text, #text, p{  
    color:rgb(151, 62, 170)  
}
```

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(151, 62, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 62, 170) }
```

Border

The CSS property to change the border of an element to Yxy 12.9268, 0.2936, 0.1746 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(151, 62, 170) }
```

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

```
.border{ border-color:rgb(151, 62, 170) }
```

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

Here you see how a box with a 4 pixel rgb(151, 62, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 62, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 62, 170);  
box-shadow:4px 4px 4px 4px rgb(151, 62,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9268, 0.2936, 0.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 62, 170) }
```

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

```
.background{ background-color: rgb(151, 62,  
170) }
```

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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