

Converting Colors

$Y_{xy}(12.7393, 0.2784, 0.1451)$

Have a look what the booklet for
Yxy(12.7393, 0.2784, 0.1451)
contains.

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Color

Yxy(12.6866, 0.2782, 0.1450)

Conversions

Conversions Part 1

Format	Color
Hex	9E2ABF
RGB	158, 42, 191
RGB Percent	62%, 16%, 75%
CMY	0.3802, 0.8356, 0.2509
CMYK	0.17, 0.78, 0.00, 0.25
HSL	287°, 64%, 46%
HSV	287°, 78%, 75%
XYZ	24.3408, 12.6866, 50.4664
YIQ	93.6700, 21.3070, 70.9310

Conversions

Conversions Part 2

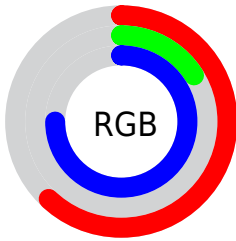
Format	Color
RYB	158, 42, 191
Decimal	10365631
CIELab	42.29, 66.28, -54.28
CIELCh	42, 85.672, 320.683
Yxy	12.6866, 0.2782, 0.1450
Android (android.graphics.Color)	4288555711 (0xFF9E2ABF)
YUV	93.6700, 47.9837, 56.4174
Hunter-Lab	35.6183, 59.6512, -59.0734

Details

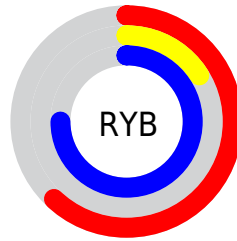
The Yxy color **12.6866, 0.2782, 0.1450** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **38.9280, 0.3161, 0.5608**, and the grayscale version is **10.9863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6836, 0.2890, 0.1777**, and **4.5728, 0.2568, 0.1188** is the 20% darker color. If you saturate the color by 10%, you get **11.2210, 0.2723, 0.1328**, and if you desaturate by 10%, it is **14.8129, 0.2841, 0.1617**.

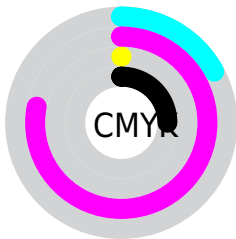
Distribution



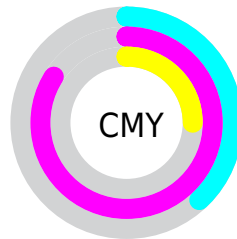
- Red (62%)
- Green (16%)
- Blue (75%)



- Red (62%)
- Yellow (16%)
- Blue (75%)



- Cyan (17%)
- Magenta (78%)
- Yellow (0%)
- Black (25%)





- Cyan (38%)
- Magenta (84%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6866, 0.2782, 0.1450 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 12.6866, 0.2782, 0.1450 by changing the saturation by 10% instead.


 12.6866, 0.2782,
0.1450


 12.6866, 0.2782,
0.1450


208.8993, 0.3030,
0.2371


 7.2131, 0.2693,
0.1236


 30.7396, 0.2892,
0.1776


 3.5957, 0.2564,
0.0980


 44.0879, 0.2927,
0.1902


 1.4501, 0.2367,
0.0677

 60.8298, 0.2954,
0.2010

 0.2532, 0.2078,
0.0227

 81.3499, 0.2976,
0.2102

 0.0000, 0.1552,
0.0000

 106.0325, 0.2993,
0.2183

 0.0000, 0.0000,
0.0000

 135.2620, 0.3008,

0.2253

169.4228, 0.3020,
0.2315

■ 12.6866, 0.2782,
0.1450

■ 12.6866, 0.2782,
0.1450

■ 11.2210, 0.2723,
0.1328

■ 14.8129, 0.2841,
0.1617

■ 10.2893, 0.2665,
0.1249

■ 17.6796, 0.2898,
0.1822

■ 10.1309, 0.2654,
0.1235

■ 21.3568, 0.2951,
0.2058

■ 25.9057, 0.2998,
0.2312

■ 31.3818, 0.3041,
0.2576

■ 37.8359, 0.3077,
0.2839

■ 45.3149, 0.3107,
0.3094

■ 53.8628, 0.3132,
0.3336

■ 63.5210, 0.3151,
0.3562

Harmonies

Analogous

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



12.6866, 0.1544, 0.1155



12.6866, 0.2782, 0.1450



12.6866, 0.4656, 0.2052

Triad

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



12.6866, 0.2782, 0.1450



12.6866, 0.5276, 0.4724



12.6866, 0.0812, 0.2704

Complementary

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



12.6866, 0.2782, 0.1450



38.9280, 0.3161, 0.5608

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.



12.6866, 0.1406, 0.5063



12.6866, 0.2782, 0.1450



12.6866, 0.3927, 0.6073

Square

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



12.6866, 0.2782, 0.1450



12.6866, 0.6225, 0.3642



12.6866, 0.2554, 0.6734



12.6866, 0.0712, 0.1554

Rectangle

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



12.6866, 0.2782, 0.1450



12.6866, 0.5782, 0.2556



12.6866, 0.2554, 0.6734



12.6866, 0.0941, 0.3367

Sweetspot

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



12.6871, 0.2782, 0.1450



61.3862, 0.3058, 0.2700



9.5211, 0.1781, 0.1305



12.5823, 0.3045, 0.2603



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



12.6871, 0.2782, 0.1450



18.8009, 0.2680, 0.1267



14.9723, 0.3789, 0.2031



9.5870, 0.3103, 0.3061



6.6932, 0.2661, 0.1240



0.2890, 0.2800, 0.1316

Inverse Universe

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



13.2361, 0.5268, 0.2957



20.5714, 0.5891, 0.3057



38.3647, 0.2864, 0.5207



9.5700, 0.3254, 0.3239



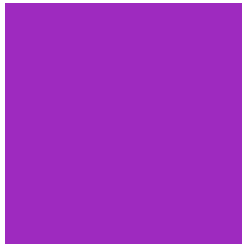
7.4004, 0.5990, 0.3073



0.3000, 0.5311, 0.2699

Previews

White Background



This preview shows how the Yxy color 12.6866, 0.2782, 0.1450 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 12.6866, 0.2782, 0.1450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

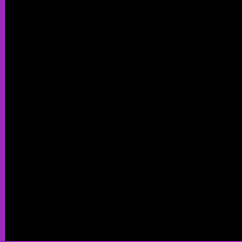
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6866, 0.2782, 0.1450

Background



This preview shows how black text looks on a background with the Yxy color 12.6866, 0.2782, 0.1450.



This preview shows how white text looks on a background with the Yxy color 12.6866, 0.2782, 0.1450.

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

12.6866, 0.2782, 0.1450

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.9171, 0.1848, 0.1802



Tritanopia

12.6685, 0.4094, 0.3186

Trichromacy



Original Color

12.6866, 0.2782, 0.1450



Protanomaly

10.3477, 0.1824, 0.1278



Deuteranomaly

10.3639, 0.1935, 0.1453



Tritanomaly

11.8845, 0.3569, 0.2343

Monochromacy



Original Color

12.6866, 0.2782, 0.1450



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

10.3990, 0.2986, 0.2248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6866, 0.2782, 0.1450 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(158, 42, 191)` looks like.

```
.text, #text, p{  
    color:rgb(158, 42, 191)  
}
```

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(158, 42, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 42, 191) }
```

Border

The CSS property to change the border of an element to Yxy 12.6866, 0.2782, 0.1450 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(158, 42, 191) }
```

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

```
.border{ border-color:rgb(158, 42, 191) }
```

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

Here you see how a box with a 4 pixel rgb(158, 42, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 42, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 42, 191);  
box-shadow:4px 4px 4px 4px rgb(158, 42,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6866, 0.2782, 0.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 42, 191) }
```

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

```
.background{ background-color: rgb(158, 42,  
191) }
```

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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