

Converting Colors

$Y_{xy}(11.7450, 0.2824, 0.1476)$

Have a look what the booklet for
Yxy(11.7450, 0.2824, 0.1476)
contains.

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Color

Yxy(11.7650, 0.2829, 0.1477)

Conversions

Conversions Part 1

Format	Color
Hex	9A28B6
RGB	154, 40, 182
RGB Percent	60%, 16%, 71%
CMY	0.3960, 0.8433, 0.2862
CMYK	0.15, 0.78, 0.00, 0.29
HSL	288°, 64%, 44%
HSV	288°, 78%, 71%
XYZ	22.5343, 11.7650, 45.3554
YIQ	90.2740, 22.3620, 68.3300

Conversions

Conversions Part 2

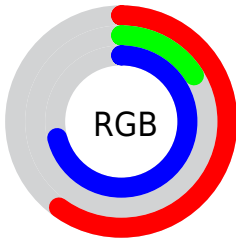
Format	Color
RYB	154, 40, 182
Decimal	10102966
CIELab	40.84, 64.46, -51.37
CIELCh	41, 82.423, 321.450
Yxy	11.7650, 0.2829, 0.1477
Android (android.graphics.Color)	4288293046 (0xFF9A28B6)
YUV	90.2740, 45.2209, 55.8877
Hunter-Lab	34.3001, 57.2447, -54.3896

Details

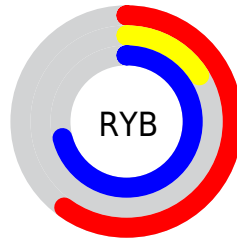
The Yxy color **11.7650, 0.2829, 0.1477** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **34.8487, 0.3142, 0.5616**, and the grayscale version is **10.1778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1527, 0.2929, 0.1809**, and **4.1552, 0.2640, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **10.4684, 0.2777, 0.1359**, and if you desaturate by 10%, it is **13.6504, 0.2881, 0.1639**.

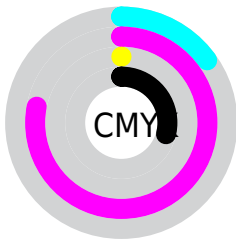
Distribution



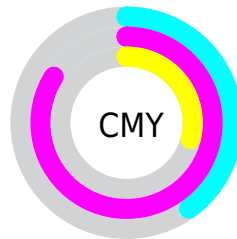
- Red (60%)
- Green (16%)
- Blue (71%)



- Red (60%)
- Yellow (16%)
- Blue (71%)



- Cyan (15%)
- Magenta (78%)
- Yellow (0%)
- Black (29%)





- Cyan (40%)
- Magenta (84%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7650, 0.2829, 0.1477 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 11.7650, 0.2829, 0.1477 by changing the saturation by 10% instead.


 11.7650, 0.2829,
0.1477


 11.7650, 0.2829,
0.1477


202.8433, 0.3052,
0.2400


 6.5839, 0.2745,
0.1258


 29.0664, 0.2930,
0.1808


 3.2032, 0.2619,
0.0992


 41.9554, 0.2962,
0.1935


 1.2387, 0.2422,
0.0675

 58.1825, 0.2986,
0.2042

 0.0930, 0.2145,
0.0102

 78.1321, 0.3005,
0.2134

 0.0000, 0.1510,
0.0000

 102.1886, 0.3020,
0.2214

 0.0000, 0.0000,
0.0000

 130.7364, 0.3033,

0.2284

164.1598, 0.3043,
0.2346

■ 11.7650, 0.2829,
0.1477

■ 11.7650, 0.2829,
0.1477

■ 10.4684, 0.2777,
0.1359

■ 13.6504, 0.2881,
0.1639

■ 9.6446, 0.2725,
0.1283

■ 16.1951, 0.2930,
0.1840

■ 9.5032, 0.2715,
0.1269

■ 19.4612, 0.2976,
0.2071

■ 23.5030, 0.3018,
0.2321

■ 28.3696, 0.3054,
0.2581

■ 34.1061, 0.3085,
0.2841

■ 40.7542, 0.3110,
0.3095

■ 48.3530, 0.3131,
0.3336

■ 56.9393, 0.3147,
0.3562

Harmonies

Analogous

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



11.7650, 0.1581, 0.1174



11.7650, 0.2829, 0.1477



11.7650, 0.4687, 0.2083

Triad

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



11.7650, 0.2829, 0.1477



11.7650, 0.5239, 0.4761



11.7650, 0.0823, 0.2672

Complementary

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



11.7650, 0.2829, 0.1477



34.8487, 0.3142, 0.5616

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.



11.7650, 0.1404, 0.4971



11.7650, 0.2829, 0.1477



11.7650, 0.3906, 0.6094

Square

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



11.7650, 0.2829, 0.1477



11.7650, 0.6190, 0.3679



11.7650, 0.2540, 0.6677



11.7650, 0.0730, 0.1555

Rectangle

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



11.7650, 0.2829, 0.1477



11.7650, 0.5783, 0.2588



11.7650, 0.2540, 0.6677



11.7650, 0.0949, 0.3315

Sweetspot

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



11.7655, 0.2829, 0.1477



56.0608, 0.3069, 0.2703



8.0079, 0.1765, 0.1239



11.5810, 0.3057, 0.2609



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



11.7655, 0.2829, 0.1477



17.8082, 0.2738, 0.1300



13.3392, 0.3870, 0.2086



9.0709, 0.3107, 0.3063



6.7366, 0.2721, 0.1273



0.2606, 0.2854, 0.1346

Inverse Universe

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



11.8801, 0.5325, 0.2998



18.6579, 0.5955, 0.3094



34.5365, 0.2840, 0.5121



9.0404, 0.3258, 0.3245



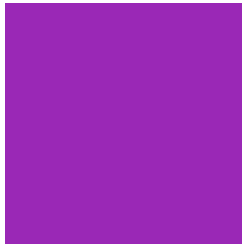
7.1203, 0.6054, 0.3109



0.2597, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 11.7650, 0.2829, 0.1477 looks on a white background.

Color Contrast Check

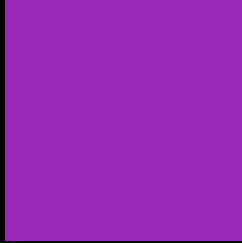
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7650, 0.2829, 0.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

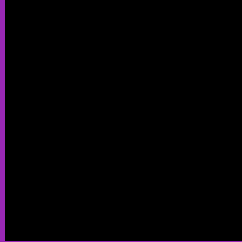
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7650, 0.2829, 0.1477

Background



This preview shows how black text looks on a background with the Yxy color 11.7650, 0.2829, 0.1477.



This preview shows how white text looks on a background with the Yxy color 11.7650, 0.2829, 0.1477.

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

11.7650, 0.2829, 0.1477

Protanopia

12.0826, 0.1746, 0.1486

Deuteranopia

12.1738, 0.1891, 0.1848



Tritanopia

11.8948, 0.4140, 0.3202

Trichromacy



Original Color

11.7650, 0.2829, 0.1477



Protanomaly

9.5441, 0.1834, 0.1287



Deuteranomaly

9.9998, 0.2028, 0.1524



Tritanomaly

11.2477, 0.3613, 0.2372

Monochromacy



Original Color

11.7650, 0.2829, 0.1477



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.5755, 0.3010, 0.2269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7650, 0.2829, 0.1477 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(154, 40, 182)` looks like.

```
.text, #text, p{  
    color:rgb(154, 40, 182)  
}
```

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(154, 40, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 40, 182) }
```

Border

The CSS property to change the border of an element to Yxy 11.7650, 0.2829, 0.1477 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(154, 40, 182) }
```

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

```
.border{ border-color:rgb(154, 40, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 40, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 40, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 40, 182);  
box-shadow:4px 4px 4px 4px rgb(154, 40,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7650, 0.2829, 0.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 40, 182) }
```

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

```
.background{ background-color: rgb(154, 40,  
182) }
```

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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