

Converting Colors

$Y_{xy}(11.8030, 0.2830, 0.1770)$

Have a look what the booklet for
Yxy(11.8030, 0.2830, 0.1770)
contains.

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Color

Yxy(11.7433, 0.2830, 0.1766)

Conversions

Conversions Part 1

Format	Color
Hex	8941A3
RGB	137, 65, 163
RGB Percent	54%, 25%, 64%
CMY	0.4628, 0.7451, 0.3607
CMYK	0.16, 0.60, 0.00, 0.36
HSL	284°, 43%, 45%
HSV	284°, 60%, 64%
XYZ	18.8185, 11.7433, 35.9348
YIQ	97.7000, 11.4540, 45.7420

Conversions

Conversions Part 2

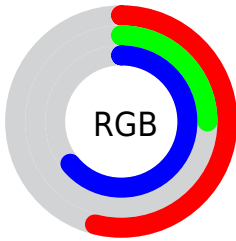
Format	Color
R _Y B	137, 65, 163
Decimal	8995235
CIE Lab	40.81, 46.57, -40.27
CIE LCh	41, 61.568, 319.147
Yxy	11.7433, 0.2830, 0.1766
Android (android.graphics.Color)	4287185315 (0xFF8941A3)
YUV	97.7000, 32.1929, 34.4661
Hunter-Lab	34.2685, 38.0534, -38.1850

Details

The Yxy color **11.7433, 0.2830, 0.1766** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.8088, 0.3236, 0.5074**, and the grayscale version is **12.0526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1220, 0.2931, 0.2081**, and **3.2062, 0.2631, 0.1276** is the 20% darker color. If you saturate the color by 10%, you get **9.7761, 0.2761, 0.1558**, and if you desaturate by 10%, it is **14.2662, 0.2895, 0.2003**.

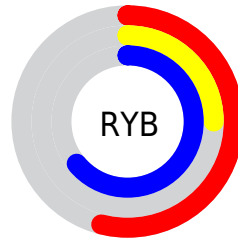
Distribution



Red (54%)

Green (25%)

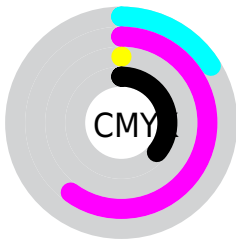
Blue (64%)



Red (54%)

Yellow (25%)

Blue (64%)

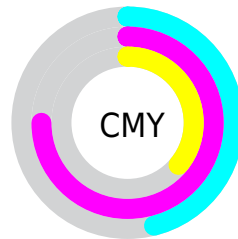


Cyan (16%)

Magenta (60%)

Yellow (0%)

Black (36%)



Cyan (46%)


Magenta (75%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7433, 0.2830, 0.1766 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 11.7433, 0.2830, 0.1766 by changing the saturation by 10% instead.


 11.7433, 0.2830,
0.1766

 11.7433, 0.2830,
0.1766


202.6984, 0.3038,
0.2583


 6.5691, 0.2752,
0.1553


 29.0267, 0.2923,
0.2072

 3.1941, 0.2633,
0.1280


 41.9047, 0.2953,
0.2185


 1.2339, 0.2440,
0.0929

 58.1195, 0.2975,
0.2279

 0.0891, 0.2176,
0.0151

 78.0554, 0.2993,
0.2359

 0.0000, 0.0813,
0.0000

 102.0969, 0.3008,
0.2427

 0.0000, 0.0000,
0.0000

130.6283, 0.3019,

0.2486

164.0340, 0.3029,
0.2537

■ 11.7433, 0.2830,
0.1766

■ 11.7433, 0.2830,
0.1766

■ 9.7761, 0.2761,
0.1558

■ 14.2662, 0.2895,
0.2003

■ 8.3152, 0.2690,
0.1390

■ 17.3858, 0.2955,
0.2260

■ 7.3045, 0.2620,
0.1266

■ 21.1409, 0.3008,
0.2524

■ 6.6195, 0.2552,
0.1179

■ 25.5663, 0.3055,
0.2788

■ 30.6945, 0.3094,
0.3044

■ 36.5559, 0.3127,
0.3287

■ 43.1788, 0.3154,
0.3514

■ 50.5903, 0.3175,
0.3723

■ 58.8159, 0.3193,
0.3914

Harmonies

Analogous

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



11.7433, 0.1823, 0.1512



11.7433, 0.2830, 0.1766



11.7433, 0.4221, 0.2290

Triad

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



11.7433, 0.2830, 0.1766



11.7433, 0.5077, 0.4649



11.7433, 0.1264, 0.3001

Complementary

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



11.7433, 0.2830, 0.1766



28.8088, 0.3236, 0.5074

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.



11.7433, 0.1886, 0.4647



11.7433, 0.2830, 0.1766



11.7433, 0.4063, 0.5535

Square

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



11.7433, 0.2830, 0.1766



11.7433, 0.5647, 0.3762



11.7433, 0.2923, 0.5790



11.7433, 0.1097, 0.1979

Rectangle

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



11.7433, 0.2830, 0.1766



11.7433, 0.5075, 0.2745



11.7433, 0.2923, 0.5790



11.7433, 0.1415, 0.3505

Sweetspot

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



11.7438, 0.2830, 0.1766



47.3273, 0.3062, 0.2835



11.2749, 0.2091, 0.1879



10.0905, 0.3050, 0.2762



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



11.7438, 0.2830, 0.1766



16.5702, 0.2738, 0.1500



13.4672, 0.3534, 0.2189



7.1072, 0.3097, 0.3066



5.1661, 0.2558, 0.1183



0.1296, 0.2808, 0.1320

Inverse Universe

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



12.3251, 0.4444, 0.2900



18.0147, 0.4926, 0.2870



28.0281, 0.2898, 0.4768



7.1154, 0.3245, 0.3231



6.1954, 0.5834, 0.2988



0.1375, 0.4882, 0.2463

Previews

White Background



This preview shows how the Yxy color 11.7433, 0.2830, 0.1766 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 11.7433, 0.2830, 0.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

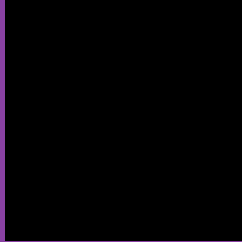
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7433, 0.2830, 0.1766

Background



This preview shows how black text looks on a background with the Yxy color 11.7433, 0.2830, 0.1766.



This preview shows how white text looks on a background with the Yxy color 11.7433, 0.2830, 0.1766.

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

11.7433, 0.2830, 0.1766

Protanopia

11.9304, 0.1821, 0.1554

Deuteranopia

11.9444, 0.2118, 0.2069



Tritanopia

11.7817, 0.3727, 0.3152

Trichromacy



Original Color

11.7433, 0.2830, 0.1766

Protanomaly

10.8623, 0.2006, 0.1552

Deuteranomaly

11.0749, 0.2300, 0.1882

Tritanomaly

11.5821, 0.3374, 0.2545

Monochromacy



Original Color

11.7433, 0.2830, 0.1766

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5055, 0.3008, 0.2560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7433, 0.2830, 0.1766 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(137, 65, 163)` looks like.

```
.text, #text, p{  
    color:rgb(137, 65, 163)  
}
```

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(137, 65, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 65, 163) }
```

Border

The CSS property to change the border of an element to Yxy 11.7433, 0.2830, 0.1766 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(137, 65, 163) }
```

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

```
.border{ border-color:rgb(137, 65, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 65, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 65, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 65, 163);  
box-shadow:4px 4px 4px 4px rgb(137, 65,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7433, 0.2830, 0.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 65, 163) }
```

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

```
.background{ background-color: rgb(137, 65,  
163) }
```

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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