

Converting Colors

$Y_{xy}(11.8634, 0.2951, 0.2302)$

Have a look what the booklet for
Yxy(11.8634, 0.2951, 0.2302)
contains.

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Color

Yxy(11.7769, 0.2950, 0.2295)

Conversions

Conversions Part 1

Format	Color
Hex	785287
RGB	120, 82, 135
RGB Percent	47%, 32%, 53%
CMY	0.5294, 0.6785, 0.4705
CMYK	0.11, 0.39, 0.00, 0.47
HSL	283°, 24%, 43%
HSV	283°, 39%, 53%
XYZ	15.1381, 11.7769, 24.4005
YIQ	99.4040, 5.6350, 24.5390

Conversions

Conversions Part 2

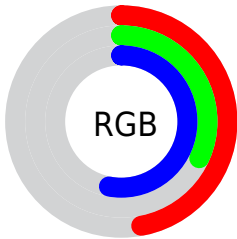
Format	Color
R _Y B	120, 82, 135
Decimal	7885447
CIE Lab	40.86, 25.94, -23.45
CIE LCh	41, 34.970, 317.894
Yxy	11.7769, 0.2950, 0.2295
Android (android.graphics.Color)	4286075527 (0xFF785287)
YUV	99.4040, 17.5488, 18.0627
Hunter-Lab	34.3175, 18.6840, -18.1343

Details

The Yxy color **11.7769, 0.2950, 0.2295** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.4807, 0.3235, 0.4382**, and the grayscale version is **12.5388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0176, 0.3007, 0.2525**, and **3.2197, 0.2825, 0.1896** is the 20% darker color. If you saturate the color by 10%, you get **9.6702, 0.2888, 0.2038**, and if you desaturate by 10%, it is **14.2962, 0.3005, 0.2558**.

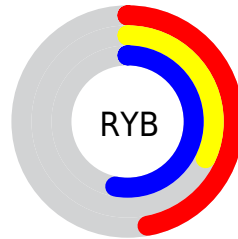
Distribution



Red (47%)

Green (32%)

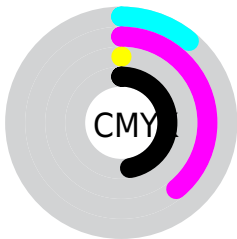
Blue (53%)



Red (47%)

Yellow (32%)

Blue (53%)

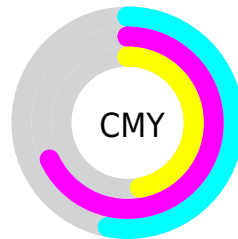


Cyan (11%)

Magenta (39%)

Yellow (0%)

Black (47%)



Cyan (53%)

Magenta (68%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7769, 0.2950, 0.2295 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 11.7769, 0.2950, 0.2295 by changing the saturation by 10% instead.

■ 11.7769, 0.2950,
0.2295

■ 11.7769, 0.2950,
0.2295

■ 202.9227, 0.3070,
0.2863

■ 6.5920, 0.2903,
0.2126

■ 29.0881, 0.3004,
0.2521

■ 3.2082, 0.2829,
0.1890

■ 41.9832, 0.3021,
0.2600

■ 1.2414, 0.2697,
0.1547

■ 58.2171, 0.3034,
0.2664

■ 0.0951, 0.2594,
0.0341

■ 78.1742, 0.3044,
0.2717

■ 0.0000, 0.0000,
0.0000

■ 102.2389, 0.3053,
0.2762

130.7956, 0.3059,

0.2801

164.2287, 0.3065,
0.2834

■ 11.7769, 0.2950,
0.2295

■ 11.7769, 0.2950,
0.2295

■ 9.6702, 0.2888,
0.2038

■ 14.2962, 0.3005,
0.2558

■ 7.9507, 0.2820,
0.1798

■ 17.2483, 0.3054,
0.2818

■ 6.5929, 0.2748,
0.1584

■ 20.6541, 0.3095,
0.3069

■ 5.5671, 0.2673,
0.1406

■ 24.5324, 0.3129,
0.3307

■ 4.8390, 0.2599,
0.1271

■ 28.9012, 0.3158,
0.3528

■ 4.3180, 0.2526,
0.1170

■ 33.7773, 0.3181,
0.3733

■ 4.2811, 0.2521,
0.1162

■ 39.1769, 0.3200,
0.3919

■ 45.1153, 0.3214,
0.4088

■ 51.6074, 0.3226,
0.4241

Harmonies

Analogous

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



11.7769, 0.2301, 0.2129



11.7769, 0.2950, 0.2295



11.7769, 0.3742, 0.2661

Triad

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



11.7769, 0.2950, 0.2295



11.7769, 0.4439, 0.4275



11.7769, 0.1978, 0.3225

Complementary

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



11.7769, 0.2950, 0.2295



20.4807, 0.3235, 0.4382

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.



11.7769, 0.2454, 0.4052



11.7769, 0.2950, 0.2295



11.7769, 0.3874, 0.4663

Square

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



11.7769, 0.2950, 0.2295



11.7769, 0.4659, 0.3727



11.7769, 0.3147, 0.4632



11.7769, 0.1800, 0.2561

Rectangle

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



11.7769, 0.2950, 0.2295



11.7769, 0.4219, 0.2985



11.7769, 0.3147, 0.4632



11.7769, 0.2105, 0.3498

Sweetspot

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



11.7774, 0.2950, 0.2295



35.0643, 0.3083, 0.2995



12.0954, 0.2483, 0.2476



7.9640, 0.3079, 0.2968



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



11.7774, 0.2950, 0.2295



17.7353, 0.2896, 0.2069



12.6287, 0.3342, 0.2540



4.6984, 0.3096, 0.3073



3.9540, 0.2523, 0.1164



0.0174, 0.2860, 0.1349

Inverse Universe

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



12.0484, 0.3787, 0.3008



18.3736, 0.4013, 0.2947



19.9232, 0.2969, 0.4183



4.7088, 0.3238, 0.3229



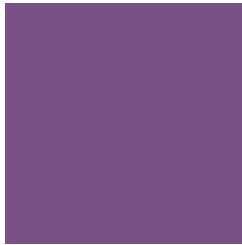
4.8820, 0.5750, 0.2941



0.0180, 0.4707, 0.2367

Previews

White Background



This preview shows how the Yxy color 11.7769, 0.2950, 0.2295 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 11.7769, 0.2950, 0.2295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

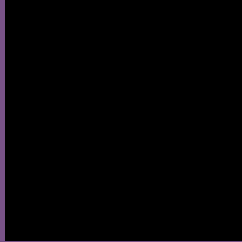
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.7769, 0.2950, 0.2295

Background



This preview shows how black text looks on a background with the Yxy color 11.7769, 0.2950, 0.2295.



This preview shows how white text looks on a background with the Yxy color 11.7769, 0.2950, 0.2295.

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

11.7769, 0.2950, 0.2295

Protanopia

11.9220, 0.2348, 0.2238

Deuteranopia

11.8288, 0.2552, 0.2496



Tritanopia

11.7528, 0.3409, 0.3141

Trichromacy



Original Color

11.7769, 0.2950, 0.2295

Protanomaly

11.6450, 0.2532, 0.2242

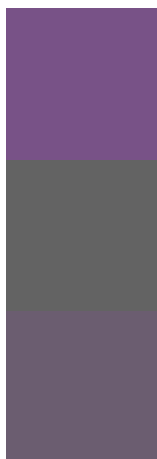
Deuteranomaly

11.6025, 0.2678, 0.2403

Tritanomaly

11.6771, 0.3230, 0.2798

Monochromacy



Original Color

11.7769, 0.2950, 0.2295

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1244, 0.3071, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7769, 0.2950, 0.2295 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(120, 82, 135)` looks like.

```
.text, #text, p{  
    color:rgb(120, 82, 135)  
}
```

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(120, 82, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 82, 135) }
```

Border

The CSS property to change the border of an element to Yxy 11.7769, 0.2950, 0.2295 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(120, 82, 135) }
```

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

```
.border{ border-color:rgb(120, 82, 135) }
```

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

Here you see how a box with a 4 pixel rgb(120, 82, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 82, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 82, 135);  
box-shadow:4px 4px 4px 4px rgb(120, 82,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7769, 0.2950, 0.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 82, 135) }
```

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

```
.background{ background-color: rgb(120, 82,  
135) }
```

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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