

Converting Colors

$Y_{xy}(11.8396, 0.2666, 0.1242)$

Have a look what the booklet for
Yxy(11.8396, 0.2666, 0.1242)
contains.

Yxy(11.8332, 0.2665, 0.1242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8332, 0.2665, 0.1242)

Conversions

Conversions Part 1

Format	Color
Hex	A000CC
RGB	160, 0, 204
RGB Percent	63%, 0%, 80%
CMY	0.3726, 0.9994, 0.2001
CMYK	0.22, 1.00, 0.00, 0.20
HSL	287°, 100%, 40%
HSV	287°, 100%, 80%
XYZ	25.3909, 11.8332, 58.0513
YIQ	71.0960, 29.8760, 97.3640

Conversions

Conversions Part 2

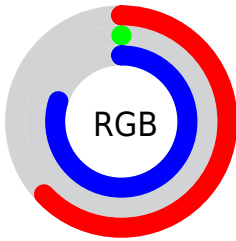
Format	Color
RYB	160, 0, 204
Decimal	10485964
CIELab	40.95, 76.55, -63.98
CIELCh	41, 99.767, 320.108
Yxy	11.8332, 0.2665, 0.1242
Android (android.graphics.Color)	4288676044 (0xFFA000CC)
YUV	71.0960, 65.5217, 77.9688
Hunter-Lab	34.3994, 71.5554, -75.9762

Details

The Yxy color **11.8332, 0.2665, 0.1242** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **43.7085, 0.3075, 0.5940**, and the grayscale version is **6.2164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6207, 0.2857, 0.1621**, and **4.9947, 0.2438, 0.1117** is the 20% darker color. If you saturate the color by 10%, you get **11.8270, 0.2665, 0.1242**, and if you desaturate by 10%, it is **12.8119, 0.2722, 0.1314**.

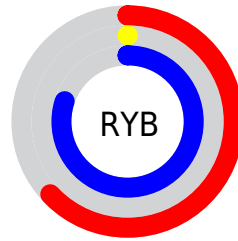
Distribution



Red (63%)

Green (0%)

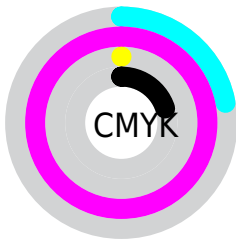
Blue (80%)



Red (63%)

Yellow (0%)

Blue (80%)

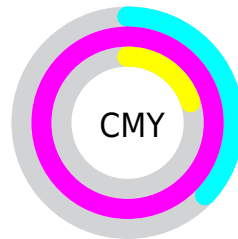


Cyan (22%)

Magenta (100%)

Yellow (0%)

Black (20%)



Cyan (37%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8332, 0.2665, 0.1242 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 11.8332, 0.2665, 0.1242 by changing the saturation by 10% instead.


 11.8332, 0.2665,
0.1242


 11.8332, 0.2665,
0.1242


203.2979, 0.2989,
0.2233


 6.6302, 0.2555,
0.1027


 29.1909, 0.2805,
0.1583


 3.2319, 0.2400,
0.0778


 42.1145, 0.2851,
0.1717

 1.2540, 0.2174,
0.0501

 58.3803, 0.2887,
0.1834

 0.1051, 0.1862,
0.0077

 78.3729, 0.2916,
0.1935

 0.0000, 0.1334,
0.0000

 102.4765, 0.2939,
0.2024

 0.0000, 0.0000,
0.0000

 131.0756, 0.2959,

0.2102

164.5546, 0.2975,
0.2171

■ 11.8332, 0.2665,
0.1242

■ 11.8332, 0.2665,
0.1242

■ 11.8270, 0.2665,
0.1242

■ 12.8119, 0.2722,
0.1314

■ 14.3519, 0.2779,
0.1424

■ 16.6382, 0.2837,
0.1581

■ 19.7701, 0.2893,
0.1779

■ 23.8317, 0.2946,
0.2009

■ 28.8967, 0.2994,
0.2261

■ 35.0315, 0.3036,
0.2524

■ 42.2965, 0.3072,
0.2788

■ 50.7477, 0.3102,
0.3046

Harmonies

Analogous

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



11.8332, 0.1336, 0.0949



11.8332, 0.2665, 0.1242



11.8332, 0.4857, 0.1861

Triad

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



11.8332, 0.2665, 0.1242



11.8332, 0.5378, 0.4622



11.8332, 0.0576, 0.2564

Complementary

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



11.8332, 0.2665, 0.1242



43.7085, 0.3075, 0.5940

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.



11.8332, 0.1128, 0.5503



11.8332, 0.2665, 0.1242



11.8332, 0.3770, 0.6230

Square

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



11.8332, 0.2665, 0.1242



11.8332, 0.6557, 0.3443



11.8332, 0.2296, 0.7414



11.8332, 0.0511, 0.1330

Rectangle

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



11.8332, 0.2665, 0.1242



11.8332, 0.6192, 0.2374



11.8332, 0.2296, 0.7414



11.8332, 0.0687, 0.3348

Sweetspot

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



11.8337, 0.2665, 0.1242



57.5227, 0.3034, 0.2511



6.1837, 0.1561, 0.0817



11.3431, 0.3016, 0.2398



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



11.8337, 0.2665, 0.1242



19.4961, 0.2658, 0.1238



14.9181, 0.4090, 0.2027



11.2769, 0.3104, 0.3059



7.4886, 0.2672, 0.1246



0.4175, 0.2783, 0.1307

Inverse Universe

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



13.0188, 0.6044, 0.3104



21.5361, 0.6074, 0.3120



43.4753, 0.2901, 0.5644



11.2526, 0.3257, 0.3240



8.2059, 0.6014, 0.3087



0.4349, 0.5457, 0.2780

Previews

White Background



This preview shows how the Yxy color 11.8332, 0.2665, 0.1242 looks on a white background.

Color Contrast Check

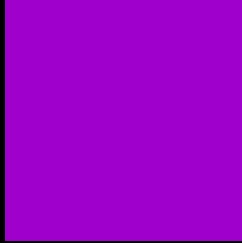
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8332, 0.2665, 0.1242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

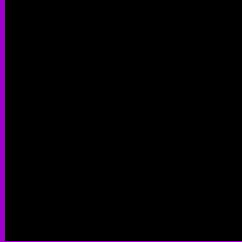
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8332, 0.2665, 0.1242

Background



This preview shows how black text looks on a background with the Yxy color 11.8332, 0.2665, 0.1242.



This preview shows how white text looks on a background with the Yxy color 11.8332, 0.2665, 0.1242.

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

11.8332, 0.2665, 0.1242

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.4420, 0.1844, 0.1836



Tritanopia

12.2488, 0.4128, 0.3185

Trichromacy



Original Color

11.8332, 0.2665, 0.1242



Protanomaly

8.5013, 0.1774, 0.1071



Deuteranomaly

8.1115, 0.1832, 0.1194



Tritanomaly

10.3422, 0.3528, 0.2080

Monochromacy



Original Color

11.8332, 0.2665, 0.1242



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.0922, 0.2895, 0.1789

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8332, 0.2665, 0.1242 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(160, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 204)  
}
```

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(160, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 11.8332, 0.2665, 0.1242 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(160, 0, 204) }
```

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

```
.border{ border-color:rgb(160, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(160, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(160, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8332, 0.2665, 0.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 204) }
```

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

```
.background{ background-color: rgb(160, 0,  
204) }
```

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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