

Converting Colors

$Yxy(11.3156, 0.2602, 0.1207)$

Have a look what the booklet for
Yxy(11.3156, 0.2602, 0.1207)
contains.

Yxy(11.3282, 0.2604, 0.1208)	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(11.3282, 0.2604, 0.1208)

Conversions

Conversions Part 1

Format	Color
Hex	9B00CC
RGB	155, 0, 204
RGB Percent	61%, 0%, 80%
CMY	0.3921, 1.0000, 0.2000
CMYK	0.24, 1.00, 0.00, 0.20
HSL	286°, 100%, 40%
HSV	286°, 100%, 80%
XYZ	24.4194, 11.3282, 58.0289
YIQ	69.6010, 26.8960, 96.3040

Conversions

Conversions Part 2

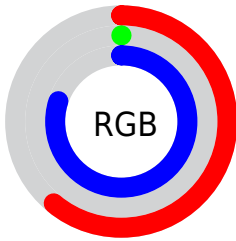
Format	Color
R_{YB}	155, 0, 204
Decimal	10158284
CIE _{Lab}	40.13, 75.93, -65.38
CIE _{LCh}	40, 100.199, 319.269
Yxy	11.3282, 0.2604, 0.1208
Android (android.graphics.Color)	4288348364 (0xFF9B00CC)
YUV	69.6010, 66.2587, 74.8949
Hunter-Lab	33.6574, 70.6064, -78.6620

Details

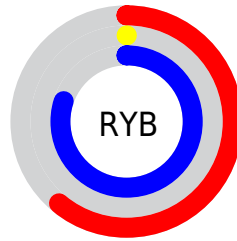
The Yxy color **11.3282, 0.2604, 0.1208** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **43.8405, 0.3091, 0.5928**, and the grayscale version is **5.9419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7027, 0.2810, 0.1593**, and **4.7113, 0.2361, 0.1074** is the 20% darker color. If you saturate the color by 10%, you get **11.3303, 0.2604, 0.1208**, and if you desaturate by 10%, it is **12.3395, 0.2667, 0.1284**.

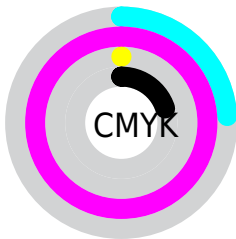
Distribution



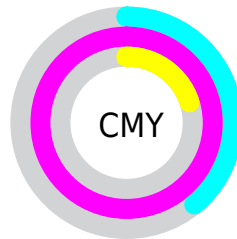
- Red (61%)
- Green (0%)
- Blue (80%)



- Red (61%)
- Yellow (0%)
- Blue (80%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (39%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3282, 0.2604, 0.1208 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 11.3282, 0.2604, 0.1208 by changing the saturation by 10% instead.


 11.3282, 0.2604,
0.1208


 11.3282, 0.2604,
0.1208

199.9056, 0.2963,
0.2216


 6.2880, 0.2485,
0.0991


 28.2655, 0.2758,
0.1554


 3.0210, 0.2317,
0.0741


 40.9314, 0.2809,
0.1691


 1.1427, 0.2075,
0.0465

 56.9080, 0.2849,
0.1809

 0.0142, 0.1750,
0.0011

 76.5798, 0.2881,
0.1912

 0.0000, 0.1202,
0.0000

 100.3310, 0.2908,
0.2003

 0.0000, 0.0000,
0.0000

 128.5461, 0.2929,

0.2082

161.6095, 0.2948,
0.2153

■ 11.3282, 0.2604,
0.1208

■ 11.3282, 0.2604,
0.1208

■ 11.3303, 0.2604,
0.1208

■ 12.3395, 0.2667,
0.1284

■ 13.9116, 0.2731,
0.1399

■ 16.2331, 0.2796,
0.1560

■ 19.4038, 0.2859,
0.1762

■ 23.5078, 0.2919,
0.1997

■ 28.6191, 0.2973,
0.2252

■ 34.8041, 0.3021,
0.2518

■ 42.1234, 0.3063,
0.2785

■ 50.6332, 0.3098,
0.3044

Harmonies

Analogous

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



11.3282, 0.1291, 0.0925



11.3282, 0.2604, 0.1208



11.3282, 0.4817, 0.1820

Triad

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



11.3282, 0.2604, 0.1208



11.3282, 0.5429, 0.4571



11.3282, 0.0559, 0.2601

Complementary

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



11.3282, 0.2604, 0.1208



43.8405, 0.3091, 0.5928

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.



11.3282, 0.1120, 0.5647



11.3282, 0.2604, 0.1208



11.3282, 0.3795, 0.6205

Square

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



11.3282, 0.2604, 0.1208



11.3282, 0.6608, 0.3392



11.3282, 0.2308, 0.7516



11.3282, 0.0489, 0.1323

Rectangle

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



11.3282, 0.2604, 0.1208



11.3282, 0.6198, 0.2333



11.3282, 0.2308, 0.7516



11.3282, 0.0671, 0.3418

Sweetspot

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



11.3303, 0.2604, 0.1208



57.2012, 0.3019, 0.2508



6.7276, 0.1577, 0.0878



11.2657, 0.3000, 0.2394



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.



11.3303, 0.2604, 0.1208



18.6588, 0.2596, 0.1204



15.1380, 0.3969, 0.1960



11.2628, 0.3100, 0.3059



7.1758, 0.2613, 0.1213



0.4037, 0.2735, 0.1280

Inverse Universe

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



13.0596, 0.5976, 0.3066



21.5994, 0.6005, 0.3082



43.4269, 0.2921, 0.5717



11.2571, 0.3253, 0.3235



8.2318, 0.5942, 0.3047



0.4370, 0.5373, 0.2733

Previews

White Background



This preview shows how the Yxy color 11.3282, 0.2604, 0.1208 looks on a white background.

Color Contrast Check

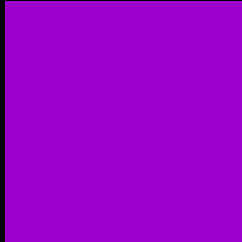
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3282, 0.2604, 0.1208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

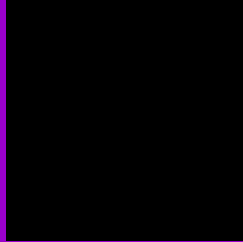
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 11.3282, 0.2604, 0.1208

Background



This preview shows how black text looks on a background with the Yxy color 11.3282, 0.2604, 0.1208.



This preview shows how white text looks on a background with the Yxy color 11.3282, 0.2604, 0.1208.

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

11.3282, 0.2604, 0.1208

Protanopia

11.8599, 0.1744, 0.1478

Deuteranopia

11.9022, 0.1846, 0.1845



Tritanopia

11.7276, 0.4031, 0.3180

Trichromacy



Original Color

11.3282, 0.2604, 0.1208



Protanomaly

8.1388, 0.1763, 0.1053



Deuteranomaly

7.8565, 0.1823, 0.1188



Tritanomaly

9.8819, 0.3445, 0.2045

Monochromacy



Original Color

11.3282, 0.2604, 0.1208



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

5.9754, 0.2858, 0.1773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3282, 0.2604, 0.1208 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(155, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 11.3282, 0.2604, 0.1208 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(155, 0, 204) }
```

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

```
.border{ border-color:rgb(155, 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(155, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3282, 0.2604, 0.1208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 0, 204) }
```

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

```
.background{ background-color: rgb(155, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor