

Converting Colors

$Y_{xy}(10.7274, 0.2529, 0.1167)$

Have a look what the booklet for
Yxy(10.7274, 0.2529, 0.1167)
contains.

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Color

Yxy(10.7492, 0.2531, 0.1168)

Conversions

Conversions Part 1

Format	Color
Hex	9500CC
RGB	149, 0, 204
RGB Percent	58%, 0%, 80%
CMY	0.4158, 0.9998, 0.1999
CMYK	0.27, 1.00, 0.00, 0.20
HSL	284°, 100%, 40%
HSV	284°, 100%, 80%
XYZ	23.2930, 10.7492, 57.9886
YIQ	67.8070, 23.3200, 95.0320

Conversions

Conversions Part 2

Format	Color
RYB	149, 0, 204
Decimal	9765068
CIELab	39.15, 75.16, -67.02
CIELCh	39, 100.701, 318.276
Yxy	10.7492, 0.2531, 0.1168
Android (android.graphics.Color)	4287955148 (0xFF9500CC)
YUV	67.8070, 67.1431, 71.2063
Hunter-Lab	32.7860, 69.4410, -81.9162

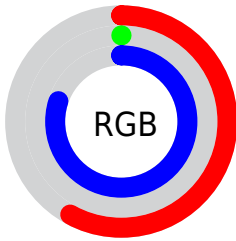
Details

The Yxy color **10.7492, 0.2531, 0.1168** is a dark color, and the websafe version is hex **9900CC**.

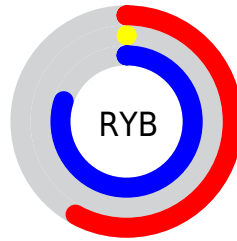
The color can be described as dark washed purple. A complement of this color would be **44.0117, 0.3113, 0.5910**, and the grayscale version is **5.6399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6645, 0.2753, 0.1559**, and **4.3118, 0.2265, 0.1021** is the 20% darker color. If you saturate the color by 10%, you get **10.7476, 0.2531, 0.1168**, and if you desaturate by 10%, it is **11.7949, 0.2601, 0.1248**.

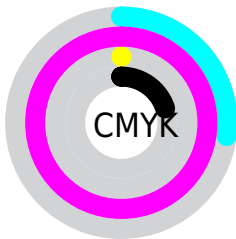
Distribution



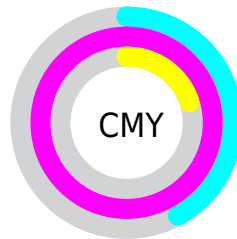
- Red (58%)
- Green (0%)
- Blue (80%)



- Red (58%)
- Yellow (0%)
- Blue (80%)



- Cyan (27%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)




- Cyan (42%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7492, 0.2531, 0.1168 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 10.7492, 0.2531, 0.1168 by changing the saturation by 10% instead.


 10.7492, 0.2531,
0.1168


 10.7492, 0.2531,
0.1168


195.9387, 0.2933,
0.2196


 5.8985, 0.2400,
0.0948


 27.1955, 0.2701,
0.1520


 2.7834, 0.2218,
0.0697


 39.5598, 0.2758,
0.1659


 1.0197, 0.1958,
0.0424

 55.1974, 0.2803,
0.1780

 0.0000, 0.1608,
0.0000

 74.4927, 0.2840,
0.1885

 0.0000, 0.1044,
0.0000

 97.8300, 0.2869,
0.1978

 0.0000, 0.0000,
0.0000

 125.5939, 0.2894,

0.2059

158.1687, 0.2915,
0.2131

■ 10.7492, 0.2531,
0.1168

■ 10.7492, 0.2531,
0.1168

■ 10.7476, 0.2531,
0.1168

■ 11.7949, 0.2601,
0.1248

■ 13.4089, 0.2674,
0.1369

■ 15.7778, 0.2747,
0.1537

■ 19.0013, 0.2819,
0.1745

■ 23.1637, 0.2886,
0.1985

■ 28.3391, 0.2949,
0.2246

■ 34.5938, 0.3004,
0.2515

■ 41.9888, 0.3052,
0.2783

■ 50.5802, 0.3093,
0.3044

Harmonies

Analogous

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



10.7492, 0.1238, 0.0896



10.7492, 0.2531, 0.1168



10.7492, 0.4768, 0.1771

Triad

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



10.7492, 0.2531, 0.1168



10.7492, 0.5491, 0.4509



10.7492, 0.0538, 0.2648

Complementary

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



10.7492, 0.2531, 0.1168



44.0117, 0.3113, 0.5910

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.



10.7492, 0.1110, 0.5825



10.7492, 0.2531, 0.1168



10.7492, 0.3826, 0.6174

Square

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



10.7492, 0.2531, 0.1168



10.7492, 0.6669, 0.3331



10.7492, 0.2325, 0.7650



10.7492, 0.0463, 0.1316

Rectangle

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



10.7492, 0.2531, 0.1168



10.7492, 0.6203, 0.2283



10.7492, 0.2325, 0.7650



10.7492, 0.0653, 0.3505

Sweetspot

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



10.7496, 0.2531, 0.1168



56.8131, 0.3002, 0.2504



7.3708, 0.1597, 0.0949



11.1724, 0.2979, 0.2388



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.



10.7496, 0.2531, 0.1168



17.6831, 0.2522, 0.1163



15.3737, 0.3851, 0.1895



11.2456, 0.3095, 0.3059



6.8107, 0.2541, 0.1173



0.3874, 0.2677, 0.1248

Inverse Universe

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



13.1183, 0.5882, 0.3014



21.6873, 0.5913, 0.3031



43.3810, 0.2939, 0.5780



11.2626, 0.3248, 0.3228



8.2674, 0.5847, 0.2994



0.4395, 0.5275, 0.2679

Previews

White Background



This preview shows how the Yxy color 10.7492, 0.2531, 0.1168 looks on a white background.

Color Contrast Check

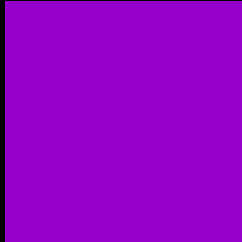
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7492, 0.2531, 0.1168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

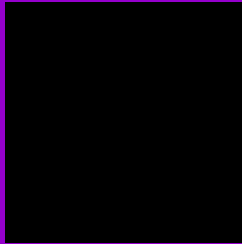
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7492, 0.2531, 0.1168

Background



This preview shows how black text looks on a background with the Yxy color 10.7492, 0.2531, 0.1168.



This preview shows how white text looks on a background with the Yxy color 10.7492, 0.2531, 0.1168.

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

10.7492, 0.2531, 0.1168

Protanopia

11.2879, 0.1747, 0.1487

Deuteranopia

11.3394, 0.1852, 0.1867



Tritanopia

11.1550, 0.3914, 0.3174

Trichromacy



Original Color

10.7492, 0.2531, 0.1168



Protanomaly

7.7959, 0.1760, 0.1056



Deuteranomaly

7.5248, 0.1822, 0.1194



Tritanomaly

9.2710, 0.3327, 0.1995

Monochromacy



Original Color

10.7492, 0.2531, 0.1168



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.5535, 0.2815, 0.1736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7492, 0.2531, 0.1168 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(149, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 10.7492, 0.2531, 0.1168 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(149, 0, 204) }
```

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

```
.border{ border-color:rgb(149, 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(149, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(149, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7492, 0.2531, 0.1168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 204) }
```

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

```
.background{ background-color: rgb(149, 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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