

Converting Colors

$Y_{xy}(10.2889, 0.2472, 0.1135)$

Have a look what the booklet for
Yxy(10.2889, 0.2472, 0.1135)
contains.

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Color

Yxy(10.2889, 0.2472, 0.1135)

Conversions

Conversions Part 1

Format	Color
Hex	9000CC
RGB	144, 0, 204
RGB Percent	56%, 0%, 80%
CMY	0.4351, 1.0000, 0.1999
CMYK	0.29, 1.00, 0.00, 0.20
HSL	282°, 100%, 40%
HSV	282°, 100%, 80%
XYZ	22.4090, 10.2889, 57.9532
YIQ	66.3120, 20.3400, 93.9720

Conversions

Conversions Part 2

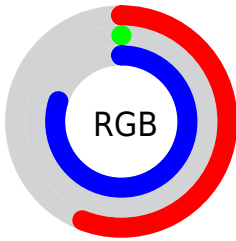
Format	Color
RYB	144, 0, 204
Decimal	9437388
CIELab	38.36, 74.59, -68.37
CIELCh	38, 101.182, 317.494
Yxy	10.2889, 0.2472, 0.1135
Android (android.graphics.Color)	4287627468 (0xFF9000CC)
YUV	66.3120, 67.8802, 68.1324
Hunter-Lab	32.0763, 68.5690, -84.6676

Details

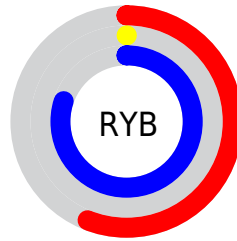
The Yxy color **10.2889, 0.2472, 0.1135** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **44.1627, 0.3132, 0.5895**, and the grayscale version is **5.3920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8014, 0.2706, 0.1530**, and **4.0694, 0.2192, 0.0981** is the 20% darker color. If you saturate the color by 10%, you get **10.2943, 0.2472, 0.1135**, and if you desaturate by 10%, it is **11.3638, 0.2548, 0.1219**.

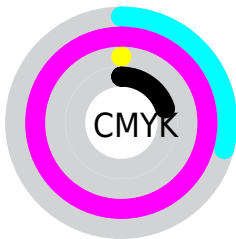
Distribution



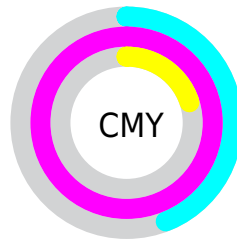
- Red (56%)
- Green (0%)
- Blue (80%)



- Red (56%)
- Yellow (0%)
- Blue (80%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)





- Cyan (44%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2889, 0.2472, 0.1135 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 10.2889, 0.2472, 0.1135 by changing the saturation by 10% instead.


 10.2889, 0.2472,
0.1135


 10.2889, 0.2472,
0.1135


192.7217, 0.2908,
0.2179


 5.5909, 0.2332,
0.0913


 26.3375, 0.2655,
0.1491


 2.5980, 0.2138,
0.0662


 38.4569, 0.2717,
0.1633


 0.9256, 0.1864,
0.0392

 53.8189, 0.2766,
0.1756

 0.0000, 0.1496,
0.0000

 72.8079, 0.2806,
0.1863

 0.0000, 0.0911,
0.0000

 95.8083, 0.2839,
0.1957

 0.0000, 0.0000,
0.0000

 123.2045, 0.2866,

0.2040

155.3808, 0.2889,
0.2113

■ 10.2889, 0.2472,
0.1135

■ 10.2889, 0.2472,
0.1135

■ 10.2943, 0.2472,
0.1135

■ 11.3638, 0.2548,
0.1219

■ 13.0058, 0.2627,
0.1344

■ 15.4068, 0.2707,
0.1517

■ 18.6669, 0.2785,
0.1730

■ 22.8705, 0.2860,
0.1975

■ 28.0917, 0.2929,
0.2239

■ 34.3972, 0.2990,
0.2511

■ 41.8478, 0.3043,
0.2782

■ 50.4999, 0.3089,
0.3043

Harmonies

Analogous

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



10.2889, 0.1195, 0.0871



10.2889, 0.2472, 0.1135



10.2889, 0.4728, 0.1731

Triad

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



10.2889, 0.2472, 0.1135



10.2889, 0.5541, 0.4459



10.2889, 0.0519, 0.2686

Complementary

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



10.2889, 0.2472, 0.1135



44.1627, 0.3132, 0.5895

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.



10.2889, 0.1099, 0.5975



10.2889, 0.2472, 0.1135



10.2889, 0.3851, 0.6149

Square

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



10.2889, 0.2472, 0.1135



10.2889, 0.6720, 0.3280



10.2889, 0.2314, 0.7686



10.2889, 0.0442, 0.1308

Rectangle

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



10.2889, 0.2472, 0.1135



10.2889, 0.6209, 0.2242



10.2889, 0.2314, 0.7686



10.2889, 0.0636, 0.3579

Sweetspot

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



10.2943, 0.2472, 0.1135



56.5008, 0.2988, 0.2500



7.7213, 0.1607, 0.0986



11.0975, 0.2962, 0.2384



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.



10.2943, 0.2472, 0.1135



16.9258, 0.2463, 0.1130



15.4948, 0.3795, 0.1864



11.2317, 0.3092, 0.3058



6.5269, 0.2482, 0.1141



0.3746, 0.2629, 0.1222

Inverse Universe

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



13.1685, 0.5800, 0.2969



21.7677, 0.5832, 0.2986



43.3610, 0.2947, 0.5809



11.2670, 0.3245, 0.3222



8.2995, 0.5764, 0.2949



0.4416, 0.5195, 0.2635

Previews

White Background



This preview shows how the Yxy color 10.2889, 0.2472, 0.1135 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 10.2889, 0.2472, 0.1135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

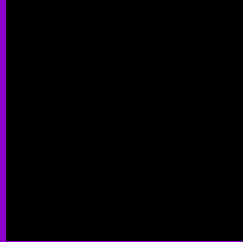
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2889, 0.2472, 0.1135

Background



This preview shows how black text looks on a background with the Yxy color 10.2889, 0.2472, 0.1135.



This preview shows how white text looks on a background with the Yxy color 10.2889, 0.2472, 0.1135.

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

10.2889, 0.2472, 0.1135

Protanopia

10.7756, 0.1747, 0.1488

Deuteranopia

10.8288, 0.1855, 0.1876



Tritanopia

10.6943, 0.3811, 0.3169

Trichromacy



Original Color

10.2889, 0.2472, 0.1135

Protanomaly

7.5514, 0.1752, 0.1049

Deuteranomaly

7.1761, 0.1810, 0.1173

Tritanomaly

8.7779, 0.3225, 0.1951

Monochromacy



Original Color

10.2889, 0.2472, 0.1135

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.2966, 0.2774, 0.1709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2889, 0.2472, 0.1135 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(144, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(144, 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(144, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 10.2889, 0.2472, 0.1135 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(144, 0, 204) }
```

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

```
.border{ border-color:rgb(144, 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(144, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(144, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2889, 0.2472, 0.1135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 204) }
```

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

```
.background{ background-color: rgb(144, 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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