

Converting Colors

$Y_{xy}(11.2326, 0.2403, 0.1237)$

Have a look what the booklet for
Yxy(11.2326, 0.2403, 0.1237)
contains.

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Color

Yxy(11.2020, 0.2405, 0.1238)

Conversions

Conversions Part 1

Format	Color
Hex	882ACB
RGB	136, 42, 203
RGB Percent	53%, 16%, 80%
CMY	0.4667, 0.8353, 0.2039
CMYK	0.33, 0.79, 0.00, 0.20
HSL	275°, 66%, 48%
HSV	275°, 79%, 80%
XYZ	21.7616, 11.2020, 57.5211
YIQ	88.4600, 4.3430, 69.9990

Conversions

Conversions Part 2

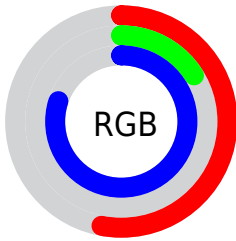
Format	Color
R_{YB}	136, 42, 203
Decimal	8923851
CIE _{Lab}	39.92, 64.85, -65.27
CIE _{LCh}	40, 92.010, 314.818
Yxy	11.2020, 0.2405, 0.1238
Android (android.graphics.Color)	4287113931 (0xFF882ACB)
YUV	88.4600, 56.4682, 41.6926
Hunter-Lab	33.4694, 57.4880, -78.4683

Details

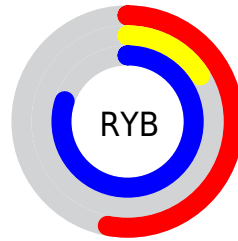
The Yxy color **11.2020, 0.2405, 0.1238** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **46.1352, 0.3350, 0.5503**, and the grayscale version is **9.7381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6130, 0.2634, 0.1625**, and **3.7578, 0.2094, 0.0927** is the 20% darker color. If you saturate the color by 10%, you get **9.4292, 0.2297, 0.1089**, and if you desaturate by 10%, it is **13.7600, 0.2517, 0.1437**.

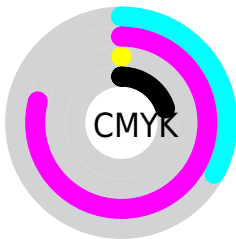
Distribution



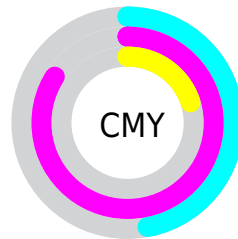
- Red (53%)
- Green (16%)
- Blue (80%)



- Red (53%)
- Yellow (16%)
- Blue (80%)



- Cyan (33%)
- Magenta (79%)
- Yellow (0%)
- Black (20%)





- Cyan (47%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2020, 0.2405, 0.1238 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 11.2020, 0.2405, 0.1238 by changing the saturation by 10% instead.


 11.2020, 0.2405,
0.1238


 11.2020, 0.2405,
0.1238


199.0482, 0.2866,
0.2247


 6.2029, 0.2261,
0.1017


 28.0331, 0.2595,
0.1587


 2.9688, 0.2065,
0.0760


 40.6339, 0.2660,
0.1725


 1.1155, 0.1789,
0.0477

 56.5373, 0.2712,
0.1843

 0.0000, 0.1429,
0.0000

 76.1278, 0.2755,
0.1946

 0.0000, 0.0820,
0.0000

 99.7897, 0.2790,
0.2036

 0.0000, 0.0000,
0.0000

 127.9075, 0.2820,

0.2115

160.8655, 0.2845,
0.2184

■ 11.2020, 0.2405,
0.1238

■ 11.2020, 0.2405,
0.1238

■ 9.4292, 0.2297,
0.1089

■ 13.7600, 0.2517,
0.1437

■ 8.2719, 0.2197,
0.0987

■ 17.2001, 0.2629,
0.1677

■ 8.2006, 0.2191,
0.0980

■ 21.6061, 0.2736,
0.1945

■ 27.0515, 0.2836,
0.2229

■ 33.6023, 0.2926,
0.2515

■ 41.3189, 0.3005,
0.2794

■ 50.2576, 0.3073,
0.3059

■ 60.4704, 0.3131,
0.3306

■ 72.0068, 0.3179,
0.3533

Harmonies

Analogous

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



11.2020, 0.1258, 0.1001



11.2020, 0.2405, 0.1238



11.2020, 0.4379, 0.1798

Triad

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



11.2020, 0.2405, 0.1238



11.2020, 0.5585, 0.4415



11.2020, 0.0716, 0.2998

Complementary

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



11.2020, 0.2405, 0.1238



46.1352, 0.3350, 0.5503

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.



11.2020, 0.1409, 0.5886



11.2020, 0.2405, 0.1238



11.2020, 0.4112, 0.5888

Square

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



11.2020, 0.2405, 0.1238



11.2020, 0.6556, 0.3361



11.2020, 0.2664, 0.7177



11.2020, 0.0570, 0.1547

Rectangle

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



11.2020, 0.2405, 0.1238



11.2020, 0.5751, 0.2300



11.2020, 0.2664, 0.7177



11.2020, 0.0870, 0.3849

Sweetspot

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



11.2024, 0.2405, 0.1238



62.4600, 0.2967, 0.2655



15.7601, 0.1879, 0.1720



12.3987, 0.2937, 0.2554



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.



11.2024, 0.2405, 0.1238



14.3895, 0.2227, 0.1016



18.0535, 0.3373, 0.1754



11.1621, 0.3072, 0.3057



5.2728, 0.2204, 0.0988



0.3159, 0.2397, 0.1094

Inverse Universe

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



15.4579, 0.4731, 0.2592



22.7466, 0.5224, 0.2677



43.4886, 0.2975, 0.5622



11.2898, 0.3226, 0.3194



8.5094, 0.5292, 0.2689



0.4540, 0.4788, 0.2412

Previews

White Background



This preview shows how the Yxy color 11.2020, 0.2405, 0.1238 looks on a white background.

Color Contrast Check

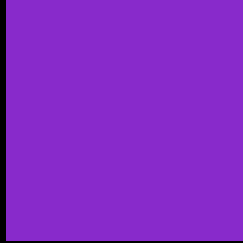
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2020, 0.2405, 0.1238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

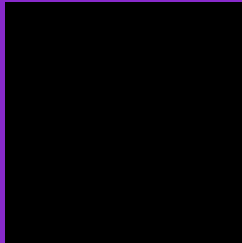
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2020, 0.2405, 0.1238

Background



This preview shows how black text looks on a background with the Yxy color 11.2020, 0.2405, 0.1238.



This preview shows how white text looks on a background with the Yxy color 11.2020, 0.2405, 0.1238.

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

11.2020, 0.2405, 0.1238

Protanopia

11.3324, 0.1744, 0.1479

Deuteranopia

11.3394, 0.1852, 0.1867



Tritanopia

11.1589, 0.3521, 0.3142

Trichromacy



Original Color

11.2020, 0.2405, 0.1238



Protanomaly

9.4493, 0.1780, 0.1226



Deuteranomaly

9.2560, 0.1850, 0.1408



Tritanomaly

10.2847, 0.3022, 0.2130

Monochromacy



Original Color

11.2020, 0.2405, 0.1238



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.1214, 0.2785, 0.2098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2020, 0.2405, 0.1238 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(136, 42, 203)` looks like.

```
.text, #text, p{  
    color:rgb(136, 42, 203)  
}
```

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(136, 42, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 42, 203) }
```

Border

The CSS property to change the border of an element to Yxy 11.2020, 0.2405, 0.1238 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(136, 42, 203) }
```

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

```
.border{ border-color:rgb(136, 42, 203) }
```

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

Here you see how a box with a 4 pixel rgb(136, 42, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 42, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 42, 203);  
box-shadow:4px 4px 4px 4px rgb(136, 42,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2020, 0.2405, 0.1238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 42, 203) }
```

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

```
.background{ background-color: rgb(136, 42,  
203) }
```

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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