

Converting Colors

$Y_{xy}(11.5327, 0.2191, 0.1023)$

Have a look what the booklet for
Yxy(11.5327, 0.2191, 0.1023)
contains.

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Color

Yxy(11.5332, 0.2192, 0.1023)

Conversions

Conversions Part 1

Format	Color
Hex	8717E7
RGB	135, 23, 231
RGB Percent	53%, 9%, 91%
CMY	0.4707, 0.9093, 0.0943
CMYK	0.42, 0.90, 0.00, 0.09
HSL	272°, 82%, 50%
HSV	272°, 90%, 91%
XYZ	24.7124, 11.5332, 76.4934
YIQ	80.2000, -0.0160, 88.4320

Conversions

Conversions Part 2

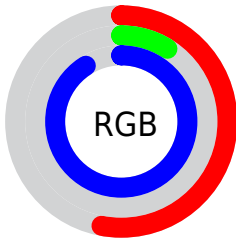
Format	Color
R_{YB}	135, 23, 231
Decimal	8853479
CIE _{Lab}	40.46, 75.74, -80.44
CIE _{LCh}	40, 110.491, 313.277
Yxy	11.5332, 0.2192, 0.1023
Android (android.graphics.Color)	4287043559 (0xFF8717E7)
YUV	80.2000, 74.3444, 48.0596
Hunter-Lab	33.9606, 70.4597, -109.7735

Details

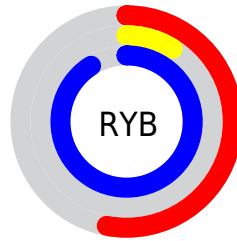
The Yxy color **11.5332, 0.2192, 0.1023** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **61.1220, 0.3360, 0.5651**, and the grayscale version is **7.9297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1005, 0.2645, 0.1556**, and **4.4337, 0.1871, 0.0805** is the 20% darker color. If you saturate the color by 10%, you get **10.0754, 0.2086, 0.0923**, and if you desaturate by 10%, it is **13.8170, 0.2308, 0.1173**.

Distribution



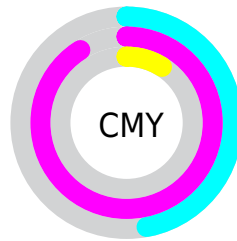
- Red (53%)
- Green (9%)
- Blue (91%)



- Red (53%)
- Yellow (9%)
- Blue (91%)



- Cyan (42%)
- Magenta (90%)
- Yellow (0%)
- Black (9%)





- Cyan (47%)
- Magenta (91%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.5332, 0.2192, 0.1023 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 11.5332, 0.2192, 0.1023 by changing the saturation by 10% instead.


 11.5332, 0.2192,
0.1023


 11.5332, 0.2192,
0.1023


201.2900, 0.2764,
0.2070

 6.4267, 0.2031,
0.0816


 28.6420, 0.2417,
0.1367


 3.1062, 0.1821,
0.0589


 41.4131, 0.2498,
0.1508

 1.1874, 0.1545,
0.0353

 57.5078, 0.2563,
0.1632

 0.0514, 0.1201,
0.0026

 77.3106, 0.2618,
0.1741

 0.0000, 0.0748,
0.0000

 101.2058, 0.2663,
0.1838

 0.0000, 0.0000,
0.0000

 129.5778, 0.2702,

0.1924

162.8111, 0.2735,
0.2001

■ 11.5332, 0.2192,
0.1023

■ 11.5332, 0.2192,
0.1023

■ 10.0754, 0.2086,
0.0923

■ 13.8170, 0.2308,
0.1173

■ 10.0729, 0.2086,
0.0923

■ 17.1623, 0.2431,
0.1375

■ 21.7079, 0.2555,
0.1621

■ 27.5705, 0.2676,
0.1898

■ 34.8525, 0.2789,
0.2189

■ 43.6460, 0.2892,
0.2483

■ 54.0350, 0.2982,
0.2769

■ 66.0974, 0.3061,
0.3039

■ 79.9055, 0.3127,
0.3290

Harmonies

Analogous

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



11.5332, 0.1030, 0.0804



11.5332, 0.2192, 0.1023



11.5332, 0.4422, 0.1575

Triad

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



11.5332, 0.2192, 0.1023



11.5332, 0.5787, 0.4213



11.5332, 0.0494, 0.2988

Complementary

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



11.5332, 0.2192, 0.1023



61.1220, 0.3360, 0.5651

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.



11.5332, 0.1141, 0.6648



11.5332, 0.2192, 0.1023



11.5332, 0.4059, 0.5941

Square

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



11.5332, 0.2192, 0.1023



11.5332, 0.6912, 0.3088



11.5332, 0.2370, 0.7630



11.5332, 0.0385, 0.1350

Rectangle

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



11.5332, 0.2192, 0.1023



11.5332, 0.6068, 0.2080



11.5332, 0.2370, 0.7630



11.5332, 0.0629, 0.4048

Sweetspot

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



11.5335, 0.2192, 0.1023



58.1204, 0.2919, 0.2565



19.4132, 0.1806, 0.1630



11.5426, 0.2886, 0.2465



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.



11.5335, 0.2192, 0.1023



12.5564, 0.2081, 0.0920



22.9838, 0.3285, 0.1616



14.2672, 0.3064, 0.3053



5.7240, 0.2102, 0.0932



0.4781, 0.2254, 0.1016

Inverse Universe

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



18.9354, 0.4895, 0.2533



22.5629, 0.5166, 0.2619



57.4061, 0.2995, 0.5898



14.4782, 0.3220, 0.3182



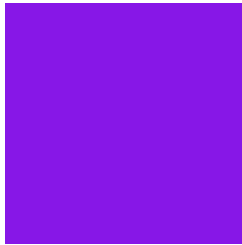
10.1403, 0.5115, 0.2591



0.7679, 0.4765, 0.2399

Previews

White Background



This preview shows how the Yxy color 11.5332, 0.2192, 0.1023 looks on a white background.

Color Contrast Check

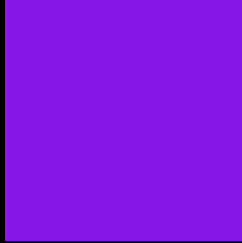
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5332, 0.2192, 0.1023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

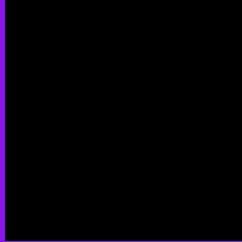
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.5332, 0.2192, 0.1023

Background



This preview shows how black text looks on a background with the Yxy color 11.5332, 0.2192, 0.1023.



This preview shows how white text looks on a background with the Yxy color 11.5332, 0.2192, 0.1023.

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

11.5332, 0.2192, 0.1023

Protanopia

11.7688, 0.1749, 0.1495

Deuteranopia

11.7508, 0.1860, 0.1896



Tritanopia

11.6193, 0.3245, 0.3136

Trichromacy



Original Color

11.5332, 0.2192, 0.1023



Protanomaly

9.3413, 0.1736, 0.1102



Deuteranomaly

8.9210, 0.1791, 0.1236



Tritanomaly

9.9028, 0.2743, 0.1859

Monochromacy



Original Color

11.5332, 0.2192, 0.1023



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.5865, 0.2629, 0.1782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.5332, 0.2192, 0.1023 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(135, 23, 231)` looks like.

```
.text, #text, p{  
    color:rgb(135, 23, 231)  
}
```

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(135, 23, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 23, 231) }
```

Border

The CSS property to change the border of an element to Yxy 11.5332, 0.2192, 0.1023 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(135, 23, 231) }
```

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

```
.border{ border-color:rgb(135, 23, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 23, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 23, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 23, 231);  
box-shadow:4px 4px 4px 4px rgb(135, 23,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 11.5332, 0.2192, 0.1023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 23, 231) }
```

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

```
.background{ background-color: rgb(135, 23,  
231) }
```

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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