

Converting Colors

$Y_{xy}(11.3791, 0.2306, 0.1197)$

Have a look what the booklet for
Yxy(11.3791, 0.2306, 0.1197)
contains.

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Color

Yxy(11.3552, 0.2301, 0.1192)

Conversions

Conversions Part 1

Format	Color
Hex	832DD2
RGB	131, 45, 210
RGB Percent	51%, 18%, 82%
CMY	0.4865, 0.8231, 0.1766
CMYK	0.38, 0.79, 0.00, 0.18
HSL	271°, 65%, 50%
HSV	271°, 79%, 82%
XYZ	21.9197, 11.3552, 61.9868
YIQ	89.5240, -1.7090, 69.5470

Conversions

Conversions Part 2

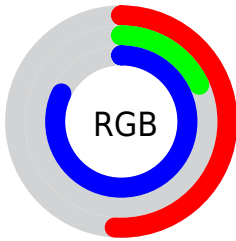
Format	Color
R_{YB}	131, 45, 210
Decimal	8596946
CIE _{Lab}	40.17, 64.50, -68.91
CIE _{LCh}	40, 94.386, 313.106
Yxy	11.3552, 0.2301, 0.1192
Android (android.graphics.Color)	4286787026 (0xFF832DD2)
YUV	89.5240, 59.3947, 36.3745
Hunter-Lab	33.6975, 57.1411, -85.4763

Details

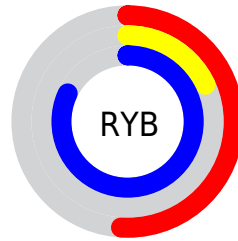
The Yxy color **11.3552, 0.2301, 0.1192** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **50.5615, 0.3425, 0.5438**, and the grayscale version is **9.9860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.4745, 0.2600, 0.1626**, and **3.6727, 0.1963, 0.0855** is the 20% darker color. If you saturate the color by 10%, you get **9.3642, 0.2181, 0.1030**, and if you desaturate by 10%, it is **14.2214, 0.2428, 0.1405**.

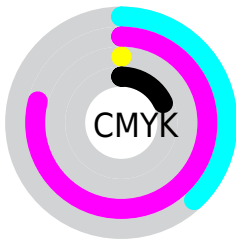
Distribution



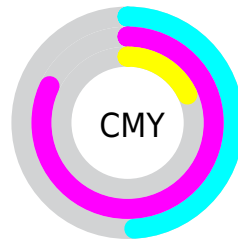
- Red (51%)
- Green (18%)
- Blue (82%)



- Red (51%)
- Yellow (18%)
- Blue (82%)



- Cyan (38%)
- Magenta (79%)
- Yellow (0%)
- Black (18%)





- Cyan (49%)
- Magenta (82%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3552, 0.2301, 0.1192 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 11.3552, 0.2301, 0.1192 by changing the saturation by 10% instead.


 11.3552, 0.2301,
0.1192


 11.3552, 0.2301,
0.1192


200.0885, 0.2816,
0.2212

 6.3063, 0.2147,
0.0973


 28.3151, 0.2509,
0.1541


 3.0322, 0.1940,
0.0723


 40.9950, 0.2582,
0.1680


 1.1486, 0.1658,
0.0449

 56.9872, 0.2640,
0.1800

 0.0191, 0.1294,
0.0013

 76.6762, 0.2688,
0.1904

 0.0000, 0.0731,
0.0000

 100.4465, 0.2728,
0.1996

 0.0000, 0.0000,
0.0000

 128.6824, 0.2762,

0.2076

161.7682, 0.2791,
0.2148

■ 11.3552, 0.2301,
0.1192

■ 11.3552, 0.2301,
0.1192

■ 9.3642, 0.2181,
0.1030

■ 14.2214, 0.2428,
0.1405

■ 8.0855, 0.2071,
0.0921

■ 18.0678, 0.2555,
0.1660

■ 7.9226, 0.2056,
0.0906

■ 22.9853, 0.2679,
0.1941

■ 29.0537, 0.2794,
0.2234

■ 36.3448, 0.2898,
0.2528

■ 44.9247, 0.2990,
0.2811

■ 54.8545, 0.3069,
0.3078

■ 66.1913, 0.3136,
0.3325

■ 78.9889, 0.3193,
0.3550

Harmonies

Analogous

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



11.3552, 0.1191, 0.0972



11.3552, 0.2301, 0.1192



11.3552, 0.4270, 0.1736

Triad

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



11.3552, 0.2301, 0.1192



11.3552, 0.5674, 0.4326



11.3552, 0.0707, 0.3116

Complementary

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



11.3552, 0.2301, 0.1192



50.5615, 0.3425, 0.5438

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.



11.3552, 0.1433, 0.6115



11.3552, 0.2301, 0.1192



11.3552, 0.4186, 0.5814

Square

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



11.3552, 0.2301, 0.1192



11.3552, 0.6619, 0.3285



11.3552, 0.2724, 0.7260



11.3552, 0.0545, 0.1567

Rectangle

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



11.3552, 0.2301, 0.1192



11.3552, 0.5697, 0.2235



11.3552, 0.2724, 0.7260



11.3552, 0.0871, 0.4021

Sweetspot

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



11.3556, 0.2301, 0.1192



61.8288, 0.2938, 0.2650



19.8241, 0.1933, 0.1914



12.2472, 0.2904, 0.2547



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.



11.3556, 0.2301, 0.1192



13.1538, 0.2108, 0.0954



20.0965, 0.3236, 0.1676



11.7161, 0.3062, 0.3055



4.8946, 0.2071, 0.0914



0.3208, 0.2268, 0.1023

Inverse Universe

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



17.0394, 0.4518, 0.2471



23.2274, 0.4943, 0.2526



46.8486, 0.3006, 0.5711



11.9013, 0.3216, 0.3179



8.9471, 0.5032, 0.2545



0.5163, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 11.3552, 0.2301, 0.1192 looks on a white background.

Color Contrast Check

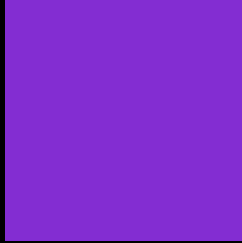
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3552, 0.2301, 0.1192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

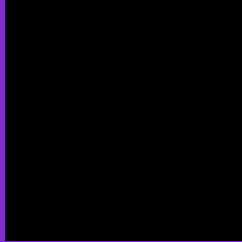
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3552, 0.2301, 0.1192

Background



This preview shows how black text looks on a background with the Yxy color 11.3552, 0.2301, 0.1192.



This preview shows how white text looks on a background with the Yxy color 11.3552, 0.2301, 0.1192.

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

11.3552, 0.2301, 0.1192

Protanopia

11.5045, 0.1749, 0.1496

Deuteranopia

11.3394, 0.1852, 0.1867



Tritanopia

11.3635, 0.3311, 0.3136

Trichromacy



Original Color

11.3552, 0.2301, 0.1192



Protanomaly

9.7841, 0.1777, 0.1238



Deuteranomaly

9.4961, 0.1838, 0.1397



Tritanomaly

10.4455, 0.2848, 0.2089

Monochromacy



Original Color

11.3552, 0.2301, 0.1192



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

9.6220, 0.2737, 0.2094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3552, 0.2301, 0.1192 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(131, 45, 210)` looks like.

```
.text, #text, p{  
  color:rgb(131, 45, 210)  
}
```

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(131, 45, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 45, 210) }
```

Border

The CSS property to change the border of an element to Yxy 11.3552, 0.2301, 0.1192 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(131, 45, 210) }
```

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

```
.border{ border-color:rgb(131, 45, 210) }
```

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

Here you see how a box with a 4 pixel rgb(131, 45, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 45, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 45, 210);  
box-shadow:4px 4px 4px 4px rgb(131, 45,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3552, 0.2301, 0.1192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 45, 210) }
```

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

```
.background{ background-color: rgb(131, 45,  
210) }
```

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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