

Converting Colors

$Y_{xy}(11.0988, 0.2696, 0.1653)$

Have a look what the booklet for
Yxy(11.0988, 0.2696, 0.1653)
contains.

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Color

Yxy(11.0606, 0.2701, 0.1654)

Conversions

Conversions Part 1

Format	Color
Hex	833EA7
RGB	131, 62, 167
RGB Percent	51%, 24%, 65%
CMY	0.4862, 0.7570, 0.3450
CMYK	0.22, 0.63, 0.00, 0.35
HSL	279°, 46%, 45%
HSV	279°, 63%, 65%
XYZ	18.0621, 11.0606, 37.7491
YIQ	94.6010, 7.4190, 47.2830

Conversions

Conversions Part 2

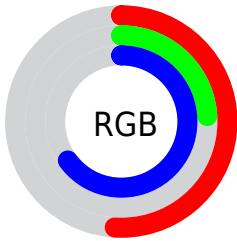
Format	Color
R_{YB}	131, 62, 167
Decimal	8601255
CIE _{Lab}	39.68, 47.45, -44.50
CIE _{LCh}	40, 65.051, 316.840
Yxy	11.0606, 0.2701, 0.1654
Android (android.graphics.Color)	4286791335 (0xFF833EA7)
YUV	94.6010, 35.6927, 31.9219
Hunter-Lab	33.2575, 38.7425, -44.0173

Details

The Yxy color **11.0606, 0.2701, 0.1654** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **30.5850, 0.3302, 0.5121**, and the grayscale version is **11.2548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9271, 0.2828, 0.1983**, and **2.9214, 0.2460, 0.1155** is the 20% darker color. If you saturate the color by 10%, you get **9.0717, 0.2610, 0.1441**, and if you desaturate by 10%, it is **13.6337, 0.2789, 0.1899**.

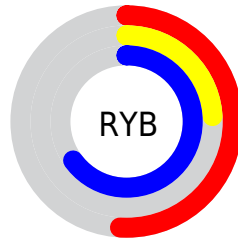
Distribution



Red (51%)

Green (24%)

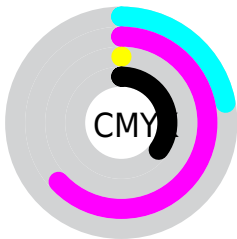
Blue (65%)



Red (51%)

Yellow (24%)

Blue (65%)

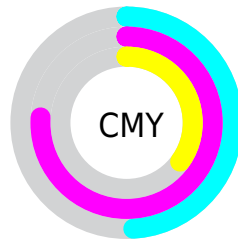


Cyan (22%)

Magenta (63%)

Yellow (0%)

Black (35%)



Cyan (49%)


Magenta (76%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0606, 0.2701, 0.1654 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 11.0606, 0.2701, 0.1654 by changing the saturation by 10% instead.


 11.0606, 0.2701,
0.1654


 11.0606, 0.2701,
0.1654


198.0828, 0.2987,
0.2526


 6.1076, 0.2599,
0.1431


 27.7722, 0.2826,
0.1979


 2.9106, 0.2447,
0.1149


 40.2995, 0.2867,
0.2099


 1.0853, 0.2209,
0.0797

 56.1205, 0.2898,
0.2199

 0.0000, 0.1886,
0.0000

 75.6194, 0.2923,
0.2285

 0.0000, 0.0323,
0.0000

 99.1807, 0.2944,
0.2358

 0.0000, 0.0000,
0.0000

127.1888, 0.2961,

0.2422

160.0280, 0.2975,
0.2477

■ 11.0606, 0.2701,
0.1654

■ 11.0606, 0.2701,
0.1654

■ 9.0717, 0.2610,
0.1441

■ 13.6337, 0.2789,
0.1899

■ 7.6121, 0.2518,
0.1270

■ 16.8364, 0.2871,
0.2164

■ 6.6188, 0.2429,
0.1146

■ 20.7111, 0.2945,
0.2437

■ 6.0926, 0.2368,
0.1078

■ 25.2959, 0.3010,
0.2709

■ 30.6262, 0.3067,
0.2972

■ 36.7349, 0.3115,
0.3221

■ 43.6529, 0.3155,
0.3453

■ 51.4094, 0.3188,
0.3665

■ 60.0322, 0.3215,
0.3859

Harmonies

Analogous

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



11.0606, 0.1686, 0.1414



11.0606, 0.2701, 0.1654



11.0606, 0.4178, 0.2177

Triad

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



11.0606, 0.2701, 0.1654



11.0606, 0.5243, 0.4609



11.0606, 0.1188, 0.3077

Complementary

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



11.0606, 0.2701, 0.1654



30.5850, 0.3302, 0.5121

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.



11.0606, 0.1860, 0.4907



11.0606, 0.2701, 0.1654



11.0606, 0.4172, 0.5610

Square

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



11.0606, 0.2701, 0.1654



11.0606, 0.5812, 0.3671



11.0606, 0.2959, 0.6028



11.0606, 0.0998, 0.1943

Rectangle

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



11.0606, 0.2701, 0.1654



11.0606, 0.5128, 0.2639



11.0606, 0.2959, 0.6028



11.0606, 0.1352, 0.3642

Sweetspot

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



11.0610, 0.2701, 0.1654



48.5243, 0.3031, 0.2804



12.6885, 0.2081, 0.1970



10.2931, 0.3015, 0.2730



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.0610, 0.2701, 0.1654



15.2357, 0.2578, 0.1377



13.9027, 0.3421, 0.2044



7.5360, 0.3085, 0.3064



4.6891, 0.2376, 0.1082



0.1407, 0.2662, 0.1240

Inverse Universe

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



12.5410, 0.4383, 0.2767



18.4924, 0.4824, 0.2730



29.2125, 0.2947, 0.5013



7.5832, 0.3234, 0.3213



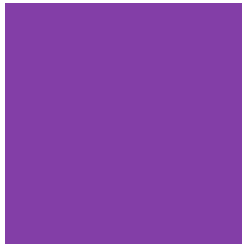
6.5227, 0.5562, 0.2838



0.1683, 0.4661, 0.2341

Previews

White Background



This preview shows how the Yxy color 11.0606, 0.2701, 0.1654 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 11.0606, 0.2701, 0.1654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

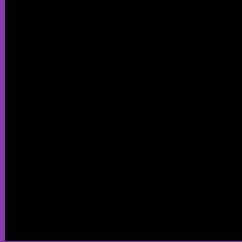
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.0606, 0.2701, 0.1654

Background



This preview shows how black text looks on a background with the Yxy color 11.0606, 0.2701, 0.1654.



This preview shows how white text looks on a background with the Yxy color 11.0606, 0.2701, 0.1654.

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

11.0606, 0.2701, 0.1654

Protanopia

11.3324, 0.1744, 0.1479

Deuteranopia

11.2931, 0.1989, 0.1942



Tritanopia

11.0179, 0.3615, 0.3144

Trichromacy



Original Color

11.0606, 0.2701, 0.1654



Protanomaly

9.8264, 0.1843, 0.1421



Deuteranomaly

10.3674, 0.2149, 0.1756



Tritanomaly

10.7117, 0.3232, 0.2458

Monochromacy



Original Color

11.0606, 0.2701, 0.1654



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.7551, 0.2962, 0.2502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0606, 0.2701, 0.1654 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, 62, 167)` looks like.

```
.text, #text, p{  
    color:rgb(131, 62, 167)  
}
```

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, 62, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 62, 167) }
```

Border

The CSS property to change the border of an element to Yxy 11.0606, 0.2701, 0.1654 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, 62, 167) }
```

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

```
.border{ border-color:rgb(131, 62, 167) }
```

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

Here you see how a box with a 4 pixel rgb(131, 62, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 62, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 62, 167);  
box-shadow:4px 4px 4px 4px rgb(131, 62,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0606, 0.2701, 0.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 62, 167) }
```

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

```
.background{ background-color: rgb(131, 62,  
167) }
```

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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