

Converting Colors

$Y_{xy}(11.0393, 0.2565, 0.1681)$

Have a look what the booklet for
Yxy(11.0393, 0.2565, 0.1681)
contains.

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Color

Yxy(11.0393, 0.2565, 0.1681)

Conversions

Conversions Part 1

Format	Color
Hex	7845A7
RGB	120, 69, 167
RGB Percent	47%, 27%, 65%
CMY	0.5295, 0.7293, 0.3452
CMYK	0.28, 0.59, 0.00, 0.35
HSL	271°, 42%, 46%
HSV	271°, 59%, 65%
XYZ	16.8446, 11.0393, 37.7871
YIQ	95.4210, -1.0620, 41.2900

Conversions

Conversions Part 2

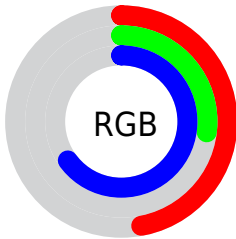
Format	Color
R _Y B	120, 69, 167
Decimal	7882151
CIE Lab	39.65, 41.00, -44.61
CIE LCh	40, 60.583, 312.585
Yxy	11.0393, 0.2565, 0.1681
Android (android.graphics.Color)	4286072231 (0xFF7845A7)
YUV	95.4210, 35.2884, 21.5558
Hunter-Lab	33.2254, 32.3513, -44.1724

Details

The Yxy color **11.0393, 0.2565, 0.1681** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **31.7697, 0.3427, 0.4928**, and the grayscale version is **11.4649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6353, 0.2717, 0.1997**, and **2.9085, 0.2268, 0.1178** is the 20% darker color. If you saturate the color by 10%, you get **8.7170, 0.2439, 0.1428**, and if you desaturate by 10%, it is **13.9883, 0.2686, 0.1959**.

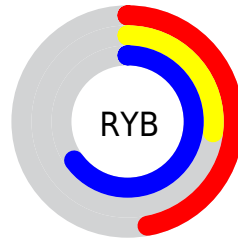
Distribution



Red (47%)

Green (27%)

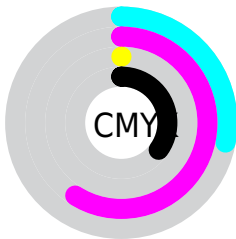
Blue (65%)



Red (47%)

Yellow (27%)

Blue (65%)

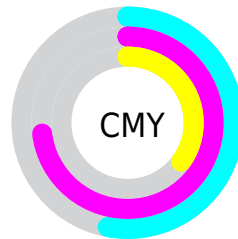


Cyan (28%)

Magenta (59%)

Yellow (0%)

Black (35%)



Cyan (53%)


Magenta (73%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.0393, 0.2565, 0.1681 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 11.0393, 0.2565, 0.1681 by changing the saturation by 10% instead.


 11.0393, 0.2565,
0.1681


 11.0393, 0.2565,
0.1681


197.9370, 0.2926,
0.2546


 6.0933, 0.2443,
0.1457


 27.7328, 0.2719,
0.2005

 2.9019, 0.2266,
0.1173

 40.2491, 0.2769,
0.2124


 1.0807, 0.1995,
0.0815

 56.0576, 0.2809,
0.2224

 0.0000, 0.1626,
0.0000

 75.5427, 0.2842,
0.2309

 0.0000, 0.0000,
0.0000

 99.0888, 0.2869,
0.2381

127.0803, 0.2891,

0.2444

159.9015, 0.2910,
0.2498

■ 11.0393, 0.2565,
0.1681

■ 11.0393, 0.2565,
0.1681

■ 8.7170, 0.2439,
0.1428

■ 13.9883, 0.2686,
0.1959

■ 6.9691, 0.2314,
0.1213

■ 17.6080, 0.2799,
0.2248

■ 5.7366, 0.2195,
0.1047

■ 21.9398, 0.2901,
0.2537

■ 4.9094, 0.2085,
0.0929

■ 27.0212, 0.2991,
0.2816

■ 4.8090, 0.2071,
0.0914

■ 32.8870, 0.3069,
0.3078

■ 39.5700, 0.3135,
0.3321

■ 47.1009, 0.3192,
0.3543

■ 55.5087, 0.3239,
0.3744

■ 64.8213, 0.3278,
0.3925

Harmonies

Analogous

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



11.0393, 0.1663, 0.1490



11.0393, 0.2565, 0.1681



11.0393, 0.3909, 0.2152

Triad

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



11.0393, 0.2565, 0.1681



11.0393, 0.5258, 0.4445



11.0393, 0.1351, 0.3323

Complementary

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



11.0393, 0.2565, 0.1681



31.7697, 0.3427, 0.4928

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.



11.0393, 0.2082, 0.5009



11.0393, 0.2565, 0.1681



11.0393, 0.4311, 0.5375

Square

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



11.0393, 0.2565, 0.1681



11.0393, 0.5683, 0.3584



11.0393, 0.3170, 0.5853



11.0393, 0.1096, 0.2137

Rectangle

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



11.0393, 0.2565, 0.1681



11.0393, 0.4830, 0.2587



11.0393, 0.3170, 0.5853



11.0393, 0.1539, 0.3873

Sweetspot

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



11.0397, 0.2565, 0.1681



48.7426, 0.2994, 0.2825



16.6296, 0.2205, 0.2333



10.2995, 0.2970, 0.2748



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.



11.0397, 0.2565, 0.1681



14.7065, 0.2407, 0.1368



15.2000, 0.3212, 0.1962



7.4853, 0.3064, 0.3062



3.7107, 0.2080, 0.0920



0.1205, 0.2449, 0.1123

Inverse Universe

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



13.7323, 0.4002, 0.2591



20.3263, 0.4301, 0.2498



29.3427, 0.3031, 0.5113



7.6000, 0.3214, 0.3182



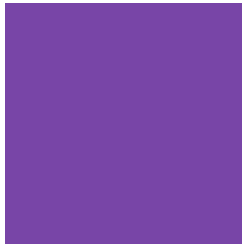
6.7409, 0.5007, 0.2532



0.1744, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 11.0393, 0.2565, 0.1681 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 11.0393, 0.2565, 0.1681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

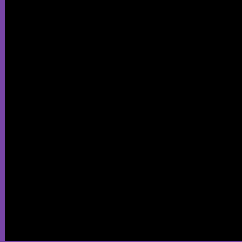
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.0393, 0.2565, 0.1681

Background



This preview shows how black text looks on a background with the Yxy color 11.0393, 0.2565, 0.1681.



This preview shows how white text looks on a background with the Yxy color 11.0393, 0.2565, 0.1681.

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

11.0393, 0.2565, 0.1681

Protanopia

11.1686, 0.1784, 0.1510

Deuteranopia

11.2645, 0.1969, 0.1924



Tritanopia

11.0968, 0.3329, 0.3157

Trichromacy



Original Color

11.0393, 0.2565, 0.1681

Protanomaly

10.2703, 0.1916, 0.1502

Deuteranomaly

10.6380, 0.2103, 0.1782

Tritanomaly

10.8598, 0.3023, 0.2496

Monochromacy



Original Color

11.0393, 0.2565, 0.1681

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9791, 0.2903, 0.2552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0393, 0.2565, 0.1681 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(120, 69, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 69, 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(120, 69, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 69, 167) }
```

Border

The CSS property to change the border of an element to Yxy 11.0393, 0.2565, 0.1681 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(120, 69, 167) }
```

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

```
.border{ border-color:rgb(120, 69, 167) }
```

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

Here you see how a box with a 4 pixel rgb(120, 69, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 69, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 69, 167);  
box-shadow:4px 4px 4px 4px rgb(120, 69,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 11.0393, 0.2565, 0.1681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 69, 167) }
```

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

```
.background{ background-color: rgb(120, 69,  
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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