

Converting Colors

$Y_{xy}(12.5653, 0.2657, 0.2123)$

Have a look what the booklet for
Yxy(12.5653, 0.2657, 0.2123)
contains.

Yxy(12.4955, 0.2655, 0.2117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4955, 0.2655, 0.2117)

Conversions

Conversions Part 1

Format	Color
Hex	705797
RGB	112, 87, 151
RGB Percent	44%, 34%, 59%
CMY	0.5610, 0.6587, 0.4079
CMYK	0.26, 0.42, 0.00, 0.41
HSL	263°, 27%, 47%
HSV	263°, 42%, 59%
XYZ	15.6710, 12.4955, 30.8580
YIQ	101.7710, -5.6440, 25.2040

Conversions

Conversions Part 2

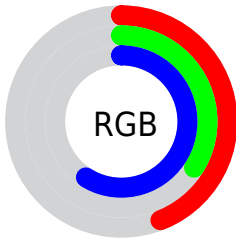
Format	Color
R_{YB}	112, 87, 151
Decimal	7362455
CIE _{Lab}	41.99, 24.20, -31.38
CIE _{LCh}	42, 39.631, 307.639
Yxy	12.4955, 0.2655, 0.2117
Android (android.graphics.Color)	4285552535 (0xFF705797)
YUV	101.7710, 24.2699, 8.9708
Hunter-Lab	35.3490, 17.2725, -27.0132

Details

The Yxy color **12.4955, 0.2655, 0.2117** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2570, 0.3462, 0.4410**, and the grayscale version is **13.1606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3469, 0.2774, 0.2365**, and **3.5301, 0.2410, 0.1675** is the 20% darker color. If you saturate the color by 10%, you get **9.7273, 0.2510, 0.1814**, and if you desaturate by 10%, it is **15.8379, 0.2789, 0.2419**.

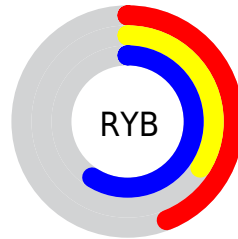
Distribution



Red (44%)

Green (34%)

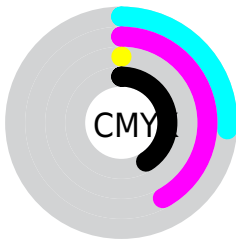
Blue (59%)



Red (44%)

Yellow (34%)

Blue (59%)

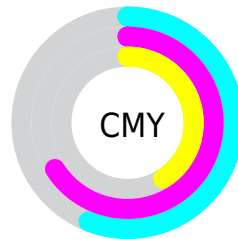


Cyan (26%)

Magenta (42%)

Yellow (0%)

Black (41%)



Cyan (56%)

Magenta (66%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4955, 0.2655, 0.2117 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 12.4955, 0.2655, 0.2117 by changing the saturation by 10% instead.

■ 12.4955, 0.2655,
0.2117

■ 12.4955, 0.2655,
0.2117

■ 207.6586, 0.2948,
0.2774

■ 7.0821, 0.2556,
0.1930

■ 30.3944, 0.2779,
0.2373

■ 3.5135, 0.2411,
0.1678

■ 43.6487, 0.2820,
0.2464

■ 1.4053, 0.2182,
0.1327

■ 60.2853, 0.2852,
0.2539

■ 0.2206, 0.1849,
0.0510

■ 80.6888, 0.2879,
0.2601

■ 0.0000, 0.0000,
0.0000

■ 105.2435, 0.2901,
0.2655

134.3337, 0.2919,

0.2700

168.3440, 0.2935,
0.2739

■ 12.4955, 0.2655,
0.2117

■ 12.4955, 0.2655,
0.2117

■ 9.7273, 0.2510,
0.1814

■ 15.8379, 0.2789,
0.2419

■ 7.4980, 0.2359,
0.1524

■ 19.7841, 0.2909,
0.2710

■ 5.7701, 0.2207,
0.1262

■ 24.3636, 0.3015,
0.2983

■ 4.5010, 0.2062,
0.1045

■ 29.6031, 0.3107,
0.3234

■ 3.6401, 0.1932,
0.0885

■ 35.5282, 0.3186,
0.3462

■ 3.1593, 0.1843,
0.0789

■ 42.1628, 0.3253,
0.3666

■ 49.5298, 0.3309,
0.3848

■ 57.6509, 0.3357,
0.4010

■ 66.5470, 0.3397,
0.4154

Harmonies

Analogous

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



12.4955, 0.2042, 0.2019



12.4955, 0.2655, 0.2117



12.4955, 0.3501, 0.2444

Triad

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



12.4955, 0.2655, 0.2117



12.4955, 0.4702, 0.4150



12.4955, 0.2004, 0.3522

Complementary

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



12.4955, 0.2655, 0.2117



27.2570, 0.3462, 0.4410

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.



12.4955, 0.2617, 0.4430



12.4955, 0.2655, 0.2117



12.4955, 0.4176, 0.4683

Square

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



12.4955, 0.2655, 0.2117



12.4955, 0.4790, 0.3534



12.4955, 0.3413, 0.4873



12.4955, 0.1708, 0.2687

Rectangle

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



12.4955, 0.2655, 0.2117



12.4955, 0.4081, 0.2762



12.4955, 0.3413, 0.4873



12.4955, 0.2177, 0.3842

Sweetspot

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



12.4960, 0.2655, 0.2117



42.8576, 0.3007, 0.2960



19.3027, 0.2489, 0.2820



9.3393, 0.2986, 0.2905



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



12.4960, 0.2655, 0.2117



17.5772, 0.2515, 0.1824



14.9406, 0.3073, 0.2249



6.1379, 0.3046, 0.3064



2.7038, 0.1850, 0.0793



0.0605, 0.2335, 0.1060

Inverse Universe

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



14.9059, 0.3534, 0.2642



22.6322, 0.3667, 0.2502



25.2228, 0.3136, 0.4533



6.2828, 0.3193, 0.3155



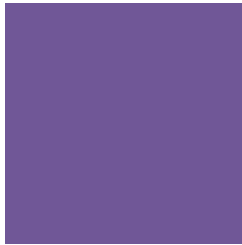
6.2623, 0.4464, 0.2233



0.1007, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 12.4955, 0.2655, 0.2117 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 12.4955, 0.2655, 0.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

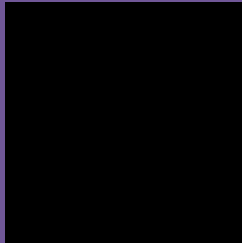
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.4955, 0.2655, 0.2117

Background



This preview shows how black text looks on a background with the Yxy color 12.4955, 0.2655, 0.2117.

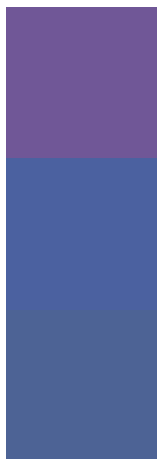


This preview shows how white text looks on a background with the Yxy color 12.4955, 0.2655, 0.2117.

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

12.4955, 0.2655, 0.2117

Protanopia

12.5833, 0.2214, 0.2060

Deuteranopia

12.6714, 0.2320, 0.2270



Tritanopia

12.4529, 0.3106, 0.3114

Trichromacy



Original Color

12.4955, 0.2655, 0.2117

Protanomaly

12.3377, 0.2341, 0.2060

Deuteranomaly

12.5601, 0.2427, 0.2206

Tritanomaly

12.2980, 0.2923, 0.2688

Monochromacy



Original Color

12.4955, 0.2655, 0.2117

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9696, 0.2950, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4955, 0.2655, 0.2117 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(112, 87, 151)` looks like.

```
.text, #text, p{  
  color:rgb(112, 87, 151)  
}
```

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(112, 87, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 87, 151) }
```

Border

The CSS property to change the border of an element to Yxy 12.4955, 0.2655, 0.2117 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(112, 87, 151) }
```

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

```
.border{ border-color:rgb(112, 87, 151) }
```

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

Here you see how a box with a 4 pixel rgb(112, 87, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 87, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 87, 151);  
box-shadow:4px 4px 4px 4px rgb(112, 87,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4955, 0.2655, 0.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 87, 151) }
```

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

```
.background{ background-color: rgb(112, 87,  
151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor