

Converting Colors

$Y_{xy}(11.8637, 0.2640, 0.2034)$

Have a look what the booklet for
Yxy(11.8637, 0.2640, 0.2034)
contains.

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Color

Yxy(11.8983, 0.2638, 0.2033)

Conversions

Conversions Part 1

Format	Color
Hex	705398
RGB	112, 83, 152
RGB Percent	44%, 33%, 60%
CMY	0.5609, 0.6744, 0.4039
CMYK	0.26, 0.45, 0.00, 0.40
HSL	265°, 29%, 46%
HSV	265°, 45%, 60%
XYZ	15.4391, 11.8983, 31.1884
YIQ	99.5370, -4.8650, 27.6070

Conversions

Conversions Part 2

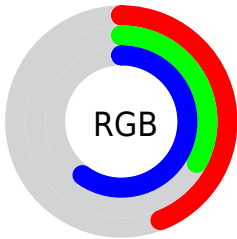
Format	Color
R_{YB}	112, 83, 152
Decimal	7361432
CIE _{Lab}	41.05, 26.89, -33.47
CIE _{LCh}	41, 42.933, 308.780
Yxy	11.8983, 0.2638, 0.2033
Android (android.graphics.Color)	4285551512 (0xFF705398)
YUV	99.5370, 25.8643, 10.9301
Hunter-Lab	34.4939, 19.5304, -29.4626

Details

The Yxy color **11.8983, 0.2638, 0.2033** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2964, 0.3459, 0.4503**, and the grayscale version is **12.5542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2794, 0.2763, 0.2300**, and **3.2869, 0.2383, 0.1568** is the 20% darker color. If you saturate the color by 10%, you get **9.2713, 0.2497, 0.1736**, and if you desaturate by 10%, it is **15.0929, 0.2769, 0.2334**.

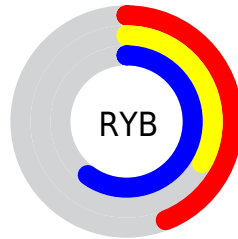
Distribution



Red (44%)

Green (33%)

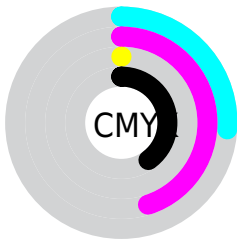
Blue (60%)



Red (44%)

Yellow (33%)

Blue (60%)

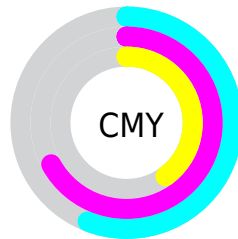


Cyan (26%)

Magenta (45%)

Yellow (0%)

Black (40%)



Cyan (56%)

Magenta (67%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.8983, 0.2638, 0.2033 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 11.8983, 0.2638, 0.2033 by changing the saturation by 10% instead.


 11.8983, 0.2638,
0.2033


 11.8983, 0.2638,
0.2033


203.7308, 0.2945,
0.2735


 6.6745, 0.2534,
0.1835


 29.3097, 0.2768,
0.2306

 3.2594, 0.2380,
0.1570

 42.2661, 0.2811,
0.2403


 1.2686, 0.2137,
0.1207

 58.5688, 0.2845,
0.2483

 0.1167, 0.1798,
0.0273

 78.6023, 0.2873,
0.2550

 0.0000, 0.0000,
0.0000

 102.7508, 0.2895,
0.2607

131.3988, 0.2915,

0.2656

164.9307, 0.2931,
0.2698

■ 11.8983, 0.2638,
0.2033

■ 11.8983, 0.2638,
0.2033

■ 9.2713, 0.2497,
0.1736

■ 15.0929, 0.2769,
0.2334

■ 7.1752, 0.2351,
0.1458

■ 18.8859, 0.2888,
0.2626

■ 5.5710, 0.2205,
0.1212

■ 23.3074, 0.2993,
0.2904

■ 4.4135, 0.2068,
0.1015

■ 28.3852, 0.3084,
0.3161

■ 3.6430, 0.1945,
0.0873

■ 34.1453, 0.3162,
0.3396

■ 3.3495, 0.1892,
0.0816

■ 40.6122, 0.3228,
0.3607

■ 47.8093, 0.3284,
0.3797

■ 55.7588, 0.3331,
0.3966

■ 64.4822, 0.3370,
0.4117

Harmonies

Analogous

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



11.8983, 0.1970, 0.1915



11.8983, 0.2638, 0.2033



11.8983, 0.3570, 0.2390

Triad

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



11.8983, 0.2638, 0.2033



11.8983, 0.4821, 0.4220



11.8983, 0.1883, 0.3497

Complementary

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



11.8983, 0.2638, 0.2033



27.2964, 0.3459, 0.4503

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.



11.8983, 0.2527, 0.4529



11.8983, 0.2638, 0.2033



11.8983, 0.4221, 0.4815

Square

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



11.8983, 0.2638, 0.2033



11.8983, 0.4957, 0.3557



11.8983, 0.3384, 0.5040



11.8983, 0.1587, 0.2590

Rectangle

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



11.8983, 0.2638, 0.2033



11.8983, 0.4208, 0.2733



11.8983, 0.3384, 0.5040



11.8983, 0.2061, 0.3856

Sweetspot

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



11.8988, 0.2638, 0.2033



42.0765, 0.3003, 0.2933



18.3369, 0.2438, 0.2734



9.1819, 0.2984, 0.2880



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.



11.8988, 0.2638, 0.2033



16.5032, 0.2502, 0.1746



14.5906, 0.3098, 0.2188



6.1466, 0.3050, 0.3065



2.8260, 0.1899, 0.0820



0.0629, 0.2387, 0.1089

Inverse Universe

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



14.2964, 0.3607, 0.2628



21.4118, 0.3757, 0.2499



25.1937, 0.3113, 0.4645



6.2798, 0.3198, 0.3162



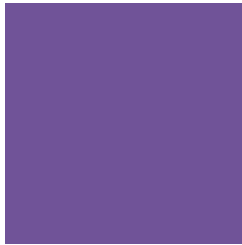
6.1973, 0.4583, 0.2298



0.0999, 0.3872, 0.1907

Previews

White Background



This preview shows how the Yxy color 11.8983, 0.2638, 0.2033 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 11.8983, 0.2638, 0.2033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

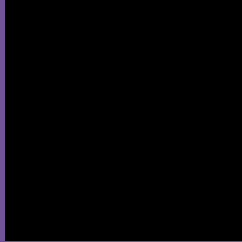
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.8983, 0.2638, 0.2033

Background



This preview shows how black text looks on a background with the Yxy color 11.8983, 0.2638, 0.2033.



This preview shows how white text looks on a background with the Yxy color 11.8983, 0.2638, 0.2033.

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

11.8983, 0.2638, 0.2033

Protanopia

12.0940, 0.2138, 0.1965

Deuteranopia

12.0589, 0.2258, 0.2214



Tritanopia

11.8483, 0.3151, 0.3112

Trichromacy



Original Color

11.8983, 0.2638, 0.2033

Protanomaly

11.9167, 0.2289, 0.1985

Deuteranomaly

11.8347, 0.2375, 0.2134

Tritanomaly

11.7326, 0.2947, 0.2662

Monochromacy



Original Color

11.8983, 0.2638, 0.2033

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.2804, 0.2933, 0.2762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8983, 0.2638, 0.2033 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, 83, 152)` looks like.

```
.text, #text, p{  
    color:rgb(112, 83, 152)  
}
```

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, 83, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 83, 152) }
```

Border

The CSS property to change the border of an element to Yxy 11.8983, 0.2638, 0.2033 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, 83, 152) }
```

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

```
.border{ border-color:rgb(112, 83, 152) }
```

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

Here you see how a box with a 4 pixel rgb(112, 83, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 83, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 83, 152);  
box-shadow:4px 4px 4px 4px rgb(112, 83,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8983, 0.2638, 0.2033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 83, 152) }
```

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

```
.background{ background-color: rgb(112, 83,  
152) }
```

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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