

Converting Colors

$Y_{xy}(10.2243, 0.2822, 0.1788)$

Have a look what the booklet for
Yxy(10.2243, 0.2822, 0.1788)
contains.

Yxy(10.2243, 0.2822, 0.1788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2243, 0.2822, 0.1788)

Conversions

Conversions Part 1

Format	Color
Hex	7F3E98
RGB	127, 62, 152
RGB Percent	50%, 24%, 60%
CMY	0.5021, 0.7567, 0.4040
CMYK	0.16, 0.59, 0.00, 0.40
HSL	283°, 42%, 42%
HSV	283°, 59%, 60%
XYZ	16.1370, 10.2243, 30.8216
YIQ	91.6950, 9.8500, 41.7700

Conversions

Conversions Part 2

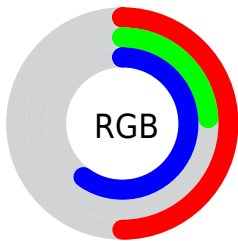
Format	Color
R_{YB}	127, 62, 152
Decimal	8339096
CIE _{Lab}	38.24, 43.06, -37.80
CIE _{LCh}	38, 57.297, 318.724
Yxy	10.2243, 0.2822, 0.1788
Android (android.graphics.Color)	4286529176 (0xFF7F3E98)
YUV	91.6950, 29.7304, 30.9625
Hunter-Lab	31.9755, 34.1263, -34.7676

Details

The Yxy color **10.2243, 0.2822, 0.1788** is a dark color, and the websafe version is hex **663399**, and the color name is **cadmium violet**. A complement of this color would be **24.8284, 0.3247, 0.5029**, and the grayscale version is **10.5595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2603, 0.2919, 0.2103**, and **2.5896, 0.2624, 0.1285** is the 20% darker color. If you saturate the color by 10%, you get **8.4779, 0.2750, 0.1575**, and if you desaturate by 10%, it is **12.4475, 0.2890, 0.2029**.

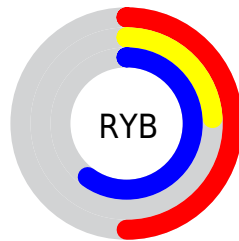
Distribution



Red (50%)

Green (24%)

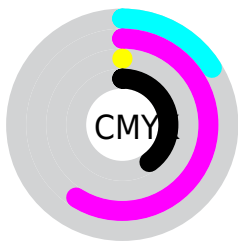
Blue (60%)



Red (50%)

Yellow (24%)

Blue (60%)

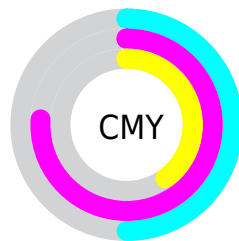


Cyan (16%)

Magenta (59%)

Yellow (0%)

Black (40%)



Cyan (50%)


Magenta (76%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2243, 0.2822, 0.1788 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 10.2243, 0.2822, 0.1788 by changing the saturation by 10% instead.


 10.2243, 0.2822,
0.1788


 10.2243, 0.2822,
0.1788


192.2655, 0.3037,
0.2613


 5.5479, 0.2739,
0.1564


 26.2165, 0.2920,
0.2103


 2.5722, 0.2609,
0.1273

 38.3012, 0.2950,
0.2217


 0.9127, 0.2390,
0.0893

 53.6241, 0.2973,
0.2312

 0.0000, 0.2080,
0.0000

 72.5696, 0.2991,
0.2392

 0.0000, 0.0000,
0.0000

 95.5221, 0.3006,
0.2459

 122.8659, 0.3018,

0.2518

154.9856, 0.3028,
0.2569

■ 10.2243, 0.2822,
0.1788

■ 10.2243, 0.2822,
0.1788

■ 8.4779, 0.2750,
0.1575

■ 12.4475, 0.2890,
0.2029

■ 7.1672, 0.2676,
0.1399

■ 15.1816, 0.2952,
0.2287

■ 6.2463, 0.2603,
0.1267

■ 18.4587, 0.3007,
0.2552

■ 5.6116, 0.2531,
0.1172

■ 22.3081, 0.3055,
0.2815

■ 5.5625, 0.2525,
0.1165

■ 26.7568, 0.3096,
0.3069

■ 31.8304, 0.3130,
0.3309

■ 37.5525, 0.3158,
0.3533

■ 43.9459, 0.3180,
0.3739

■ 51.0320, 0.3199,
0.3927

Harmonies

Analogous

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



10.2243, 0.1838, 0.1541



10.2243, 0.2822, 0.1788



10.2243, 0.4176, 0.2303

Triad

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



10.2243, 0.2822, 0.1788



10.2243, 0.5063, 0.4629



10.2243, 0.1306, 0.3034

Complementary

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



10.2243, 0.2822, 0.1788



24.8284, 0.3247, 0.5029

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.



10.2243, 0.1930, 0.4631



10.2243, 0.2822, 0.1788



10.2243, 0.4077, 0.5485

Square

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



10.2243, 0.2822, 0.1788



10.2243, 0.5599, 0.3758



10.2243, 0.2955, 0.5726



10.2243, 0.1131, 0.2020

Rectangle

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



10.2243, 0.2822, 0.1788



10.2243, 0.5013, 0.2751



10.2243, 0.2955, 0.5726



10.2243, 0.1459, 0.3527

Sweetspot

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



10.2247, 0.2822, 0.1788



39.9978, 0.3058, 0.2837



10.1929, 0.2120, 0.1946



8.6437, 0.3046, 0.2766



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.



10.2247, 0.2822, 0.1788



14.1474, 0.2727, 0.1514



11.8025, 0.3497, 0.2187



6.2372, 0.3095, 0.3068



4.6811, 0.2530, 0.1167



0.0878, 0.2850, 0.1344

Inverse Universe

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



10.8121, 0.4376, 0.2886



15.5427, 0.4841, 0.2848



24.0785, 0.2911, 0.4763



6.2495, 0.3242, 0.3228



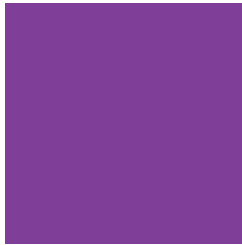
5.7438, 0.5784, 0.2960



0.0915, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 10.2243, 0.2822, 0.1788 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 10.2243, 0.2822, 0.1788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

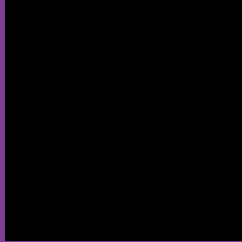
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2243, 0.2822, 0.1788

Background



This preview shows how black text looks on a background with the Yxy color 10.2243, 0.2822, 0.1788.



This preview shows how white text looks on a background with the Yxy color 10.2243, 0.2822, 0.1788.

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

10.2243, 0.2822, 0.1788

Protanopia

10.5288, 0.1851, 0.1603

Deuteranopia

10.4586, 0.2130, 0.2083



Tritanopia

10.1911, 0.3688, 0.3163

Trichromacy



Original Color

10.2243, 0.2822, 0.1788

Protanomaly

9.6843, 0.2044, 0.1607

Deuteranomaly

9.7011, 0.2301, 0.1896

Tritanomaly

9.9558, 0.3353, 0.2551

Monochromacy



Original Color

10.2243, 0.2822, 0.1788

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.1030, 0.3015, 0.2580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2243, 0.2822, 0.1788 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(127, 62, 152)` looks like.

```
.text, #text, p{  
    color:rgb(127, 62, 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(127, 62, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 62, 152) }
```

Border

The CSS property to change the border of an element to Yxy 10.2243, 0.2822, 0.1788 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(127, 62, 152) }
```

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

```
.border{ border-color:rgb(127, 62, 152) }
```

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

Here you see how a box with a 4 pixel rgb(127, 62, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 62, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 62, 152);  
box-shadow:4px 4px 4px 4px rgb(127, 62,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2243, 0.2822, 0.1788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 62, 152) }
```

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

```
.background{ background-color: rgb(127, 62,  
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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