

Converting Colors

$Y_{xy}(10.2983, 0.2489, 0.1475)$

Have a look what the booklet for
Yxy(10.2983, 0.2489, 0.1475)
contains.

Yxy(10.2983, 0.2489, 0.1475)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2983, 0.2489, 0.1475)

Conversions

Conversions Part 1

Format	Color
Hex	7A3AB0
RGB	122, 58, 176
RGB Percent	48%, 23%, 69%
CMY	0.5215, 0.7726, 0.3098
CMYK	0.31, 0.67, 0.00, 0.31
HSL	273°, 50%, 46%
HSV	273°, 67%, 69%
XYZ	17.3779, 10.2983, 42.1427
YIQ	90.5880, 0.2660, 50.2660

Conversions

Conversions Part 2

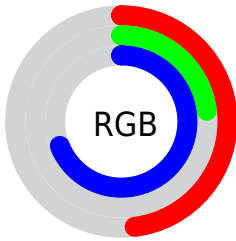
Format	Color
R_{YB}	122, 58, 176
Decimal	8010416
CIE _{Lab}	38.37, 49.42, -52.01
CIE _{LCh}	38, 71.744, 313.539
Yxy	10.2983, 0.2489, 0.1475
Android (android.graphics.Color)	4286200496 (0xFF7A3AB0)
YUV	90.5880, 42.1081, 27.5483
Hunter-Lab	32.0910, 40.5024, -55.3976

Details

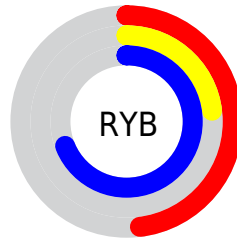
The Yxy color **10.2983, 0.2489, 0.1475** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **34.7949, 0.3414, 0.5173**, and the grayscale version is **10.2665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2285, 0.2666, 0.1821**, and **2.5984, 0.2156, 0.0961** is the 20% darker color. If you saturate the color by 10%, you get **8.2542, 0.2368, 0.1257**, and if you desaturate by 10%, it is **12.9981, 0.2609, 0.1730**.

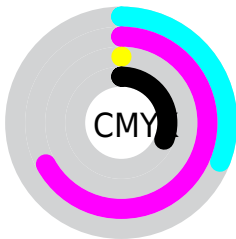
Distribution



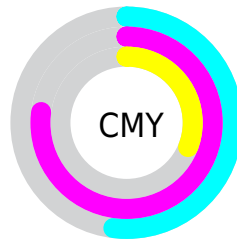
- Red (48%)
- Green (23%)
- Blue (69%)



- Red (48%)
- Yellow (23%)
- Blue (69%)



- Cyan (31%)
- Magenta (67%)
- Yellow (0%)
- Black (31%)





- Cyan (52%)
- Magenta (77%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2983, 0.2489, 0.1475 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 10.2983, 0.2489, 0.1475 by changing the saturation by 10% instead.

 10.2983, 0.2489,
0.1475


 10.2983, 0.2489,
0.1475

192.7880, 0.2902,
0.2428


 5.5972, 0.2351,
0.1241


 26.3551, 0.2664,
0.1823


 2.6017, 0.2155,
0.0956

 38.4795, 0.2722,
0.1954


 0.9275, 0.1863,
0.0616

 53.8472, 0.2768,
0.2065

 0.0000, 0.1456,
0.0000

 72.8425, 0.2806,
0.2159

 0.0000, 0.0000,
0.0000

 95.8499, 0.2836,
0.2240

 123.2537, 0.2862,

0.2311

155.4382, 0.2883,
0.2373

■ 10.2983, 0.2489,
0.1475

■ 10.2983, 0.2489,
0.1475

■ 8.2542, 0.2368,
0.1257

■ 12.9981, 0.2609,
0.1730

■ 6.7988, 0.2251,
0.1088

■ 16.4093, 0.2724,
0.2007

■ 5.8373, 0.2143,
0.0969

■ 20.5828, 0.2831,
0.2295

■ 5.5949, 0.2112,
0.0937

■ 25.5644, 0.2926,
0.2582

■ 31.3961, 0.3010,
0.2858

■ 38.1170, 0.3083,
0.3118

■ 45.7638, 0.3144,
0.3359

■ 54.3709, 0.3196,
0.3579

■ 63.9711, 0.3239,
0.3777

Harmonies

Analogous

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



10.2983, 0.1472, 0.1259



10.2983, 0.2489, 0.1475



10.2983, 0.4099, 0.1992

Triad

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



10.2983, 0.2489, 0.1475



10.2983, 0.5495, 0.4505



10.2983, 0.1057, 0.3211

Complementary

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



10.2983, 0.2489, 0.1475



34.7949, 0.3414, 0.5173

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.



10.2983, 0.1803, 0.5382



10.2983, 0.2489, 0.1475



10.2983, 0.4320, 0.5680

Square

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



10.2983, 0.2489, 0.1475



10.2983, 0.6086, 0.3510



10.2983, 0.2988, 0.6397



10.2983, 0.0841, 0.1878

Rectangle

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



10.2983, 0.2489, 0.1475



10.2983, 0.5214, 0.2465



10.2983, 0.2988, 0.6397



10.2983, 0.1239, 0.3893

Sweetspot

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



10.2987, 0.2489, 0.1475



53.2842, 0.2984, 0.2769



15.8561, 0.2075, 0.2124



10.9164, 0.2961, 0.2693



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.2987, 0.2489, 0.1475



13.7004, 0.2316, 0.1177



15.2348, 0.3249, 0.1842



8.4497, 0.3067, 0.3061



4.1405, 0.2123, 0.0943



0.1644, 0.2421, 0.1107

Inverse Universe

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



13.4227, 0.4256, 0.2557



20.2945, 0.4638, 0.2513



32.2942, 0.3010, 0.5360



8.5677, 0.3218, 0.3186



7.2141, 0.5107, 0.2587



0.2388, 0.4446, 0.2223

Previews

White Background



This preview shows how the Yxy color 10.2983, 0.2489, 0.1475 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 10.2983, 0.2489, 0.1475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

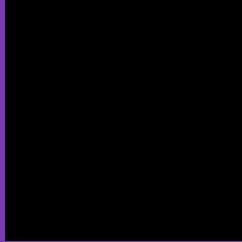
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2983, 0.2489, 0.1475

Background



This preview shows how black text looks on a background with the Yxy color 10.2983, 0.2489, 0.1475.



This preview shows how white text looks on a background with the Yxy color 10.2983, 0.2489, 0.1475.

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

10.2983, 0.2489, 0.1475

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.4730, 0.1843, 0.1834



Tritanopia

10.3781, 0.3405, 0.3156

Trichromacy



Original Color

10.2983, 0.2489, 0.1475



Protanomaly

9.2206, 0.1818, 0.1381



Deuteranomaly

9.0999, 0.1883, 0.1561



Tritanomaly

9.8820, 0.3009, 0.2339

Monochromacy



Original Color

10.2983, 0.2489, 0.1475



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

9.8219, 0.2855, 0.2378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2983, 0.2489, 0.1475 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(122, 58, 176)` looks like.

```
.text, #text, p{  
    color:rgb(122, 58, 176)  
}
```

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(122, 58, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 58, 176) }
```

Border

The CSS property to change the border of an element to Yxy 10.2983, 0.2489, 0.1475 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(122, 58, 176) }
```

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

```
.border{ border-color:rgb(122, 58, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 58, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 58, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 58, 176);  
box-shadow:4px 4px 4px 4px rgb(122, 58,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2983, 0.2489, 0.1475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 58, 176) }
```

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

```
.background{ background-color: rgb(122, 58,  
176) }
```

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