

Converting Colors

$Y_{xy}(16.7021, 0.3273, 0.2350)$

Have a look what the booklet for
Yxy(16.7021, 0.3273, 0.2350)
contains.

Yxy(16.6482, 0.3268, 0.2339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6482, 0.3268, 0.2339)

Conversions

Conversions Part 1

Format	Color
Hex	9E5997
RGB	158, 89, 151
RGB Percent	62%, 35%, 59%
CMY	0.3804, 0.6510, 0.4078
CMYK	0.00, 0.44, 0.04, 0.38
HSL	306°, 28%, 48%
HSV	306°, 44%, 62%
XYZ	23.2605, 16.6482, 31.2679
YIQ	116.6990, 21.2220, 33.9100

Conversions

Conversions Part 2

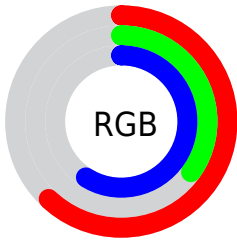
Format	Color
R_{YB}	158, 89, 151
Decimal	10377623
CIE _{Lab}	47.81, 37.69, -21.93
CIE _{LCh}	48, 43.605, 329.811
Yxy	16.6482, 0.3268, 0.2339
Android (android.graphics.Color)	4288567703 (0xFF9E5997)
YUV	116.6990, 16.9104, 36.2210
Hunter-Lab	40.8022, 30.3553, -16.8740

Details

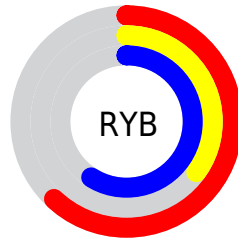
The Yxy color **16.6482, 0.3268, 0.2339** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.4254, 0.3013, 0.4476**, and the grayscale version is **17.6335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7537, 0.3250, 0.2542**, and **5.3744, 0.3296, 0.2001** is the 20% darker color. If you saturate the color by 10%, you get **14.2438, 0.3307, 0.2145**, and if you desaturate by 10%, it is **19.6192, 0.3231, 0.2551**.

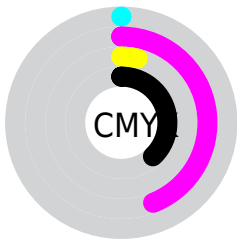
Distribution



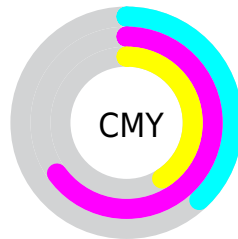
- Red (62%)
- Green (35%)
- Blue (59%)



- Red (62%)
- Yellow (35%)
- Blue (59%)



- Cyan (0%)
- Magenta (44%)
- Yellow (4%)
- Black (38%)





- Cyan (38%)
- Magenta (65%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6482, 0.3268, 0.2339 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 16.6482, 0.3268, 0.2339 by changing the saturation by 10% instead.


 16.6482, 0.3268,
0.2339


 16.6482, 0.3268,
0.2339


233.1368, 0.3202,
0.2854


 9.9840, 0.3281,
0.2197


 37.7199, 0.3246,
0.2536


 5.3883, 0.3295,
0.2008


 52.8962, 0.3237,
0.2607

 2.4769, 0.3306,
0.1744

 71.6786, 0.3229,
0.2666

 0.8650, 0.3301,
0.1359

 94.4516, 0.3222,
0.2715

 0.0000, 0.3463,
0.0000

121.5995, 0.3216,
0.2758

 0.0000, 0.0000,
0.0000

153.5068, 0.3211,

0.2794

190.5577, 0.3206,
0.2826

■ 16.6482, 0.3268,
0.2339

■ 16.6482, 0.3268,
0.2339

■ 14.2438, 0.3307,
0.2145

■ 19.6192, 0.3231,
0.2551

■ 12.3673, 0.3346,
0.1979

■ 23.1878, 0.3196,
0.2772

■ 10.9788, 0.3385,
0.1847

■ 27.3855, 0.3165,
0.2994

■ 10.0315, 0.3423,
0.1757

■ 32.2406, 0.3137,
0.3212

■ 9.4698, 0.3458,
0.1708

■ 37.7802, 0.3112,
0.3421

■ 9.2223, 0.3479,
0.1690

■ 44.0295, 0.3090,
0.3618

■ 51.0124, 0.3071,
0.3802

■ 58.7520, 0.3055,
0.3971

■ 67.2700, 0.3041,
0.4127

Harmonies

Analogous

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



16.6482, 0.2468, 0.2068



16.6482, 0.3268, 0.2339



16.6482, 0.4139, 0.2800

Triad

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



16.6482, 0.3268, 0.2339



16.6482, 0.4344, 0.4563



16.6482, 0.1753, 0.2876

Complementary

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



16.6482, 0.3268, 0.2339



27.4254, 0.3013, 0.4476

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.



16.6482, 0.2136, 0.3772



16.6482, 0.3268, 0.2339



16.6482, 0.3623, 0.4877

Square

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



16.6482, 0.3268, 0.2339



16.6482, 0.4774, 0.3991



16.6482, 0.2815, 0.4609



16.6482, 0.1693, 0.2285

Rectangle

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



16.6482, 0.3268, 0.2339



16.6482, 0.4581, 0.3176



16.6482, 0.2815, 0.4609



16.6482, 0.1844, 0.3150

Sweetspot

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



16.6490, 0.3268, 0.2339



50.0728, 0.3164, 0.3003



12.0945, 0.2403, 0.1997



10.9026, 0.3170, 0.2957



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.6490, 0.3268, 0.2339



26.1212, 0.3304, 0.2157



15.6894, 0.3780, 0.2843



6.7430, 0.3152, 0.3091



7.3884, 0.3476, 0.1689



0.1351, 0.3357, 0.1623

Inverse Universe

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



16.6490, 0.3268, 0.2339



26.1212, 0.3304, 0.2157



28.2034, 0.2749, 0.3799



6.7430, 0.3152, 0.3091



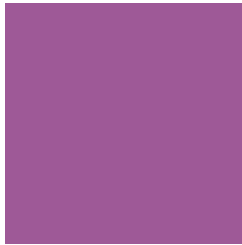
7.3884, 0.3476, 0.1689



0.1351, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 16.6482, 0.3268, 0.2339 looks on a white background.

Color Contrast Check

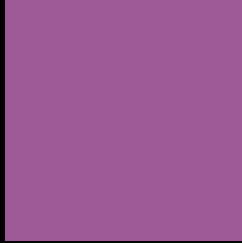
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6482, 0.3268, 0.2339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

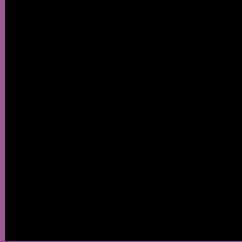
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6482, 0.3268, 0.2339

Background



This preview shows how black text looks on a background with the Yxy color 16.6482, 0.3268, 0.2339.



This preview shows how white text looks on a background with the Yxy color 16.6482, 0.3268, 0.2339.

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

16.6482, 0.3268, 0.2339

Protanopia

16.8858, 0.2375, 0.2269

Deuteranopia

16.8207, 0.2680, 0.2633



Tritanopia

16.7366, 0.3830, 0.3174

Trichromacy



Original Color

16.6482, 0.3268, 0.2339

Protanomaly

16.3608, 0.2644, 0.2284

Deuteranomaly

16.4744, 0.2882, 0.2512

Tritanomaly

16.5581, 0.3631, 0.2846

Monochromacy



Original Color

16.6482, 0.3268, 0.2339

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0059, 0.3186, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6482, 0.3268, 0.2339 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(158, 89, 151)` looks like.

```
.text, #text, p{  
    color:rgb(158, 89, 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(158, 89, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 89, 151) }
```

Border

The CSS property to change the border of an element to Yxy 16.6482, 0.3268, 0.2339 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(158, 89, 151) }
```

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

```
.border{ border-color:rgb(158, 89, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 89, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 89, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 89, 151); box-shadow:4px 4px 4px 4px rgb(158, 89, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6482, 0.3268, 0.2339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 89, 151) }
```

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

```
.background{ background-color: rgb(158, 89,  
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