

Converting Colors

$Y_{xy}(17.1023, 0.3969, 0.2254)$

Have a look what the booklet for
Yxy(17.1023, 0.3969, 0.2254)
contains.

Yxy(17.1127, 0.3978, 0.2259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.1127, 0.3978, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	C73991
RGB	199, 57, 145
RGB Percent	78%, 22%, 57%
CMY	0.2195, 0.7766, 0.4313
CMYK	0.00, 0.71, 0.27, 0.22
HSL	323°, 56%, 50%
HSV	323°, 71%, 78%
XYZ	30.1347, 17.1127, 28.5060
YIQ	109.4900, 56.3840, 57.4720

Conversions

Conversions Part 2

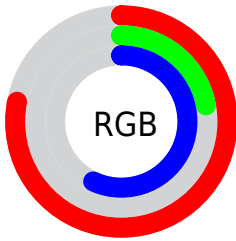
Format	Color
R_{YB}	199, 57, 145
Decimal	13056401
CIE _{Lab}	48.40, 63.35, -16.91
CIE _{LCh}	48, 65.565, 345.056
Yxy	17.1127, 0.3978, 0.2259
Android (android.graphics.Color)	4291246481 (0xFFC73991)
YUV	109.4900, 17.5064, 78.5003
Hunter-Lab	41.3675, 57.6376, -11.8990

Details

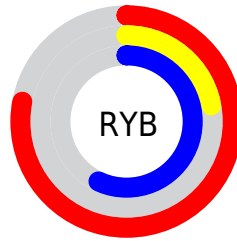
The Yxy color **17.1127, 0.3978, 0.2259** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **42.8795, 0.2780, 0.4772**, and the grayscale version is **15.3721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6450, 0.3756, 0.2451**, and **6.4709, 0.4246, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **15.2923, 0.4150, 0.2206**, and if you desaturate by 10%, it is **19.7212, 0.3813, 0.2356**.

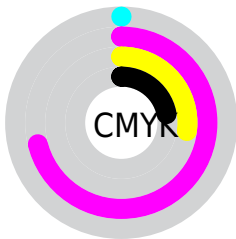
Distribution



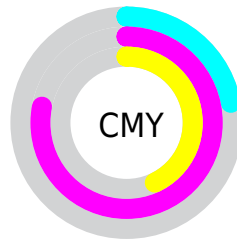
- Red (78%)
- Green (22%)
- Blue (57%)



- Red (78%)
- Yellow (22%)
- Blue (57%)



- Cyan (0%)
- Magenta (71%)
- Yellow (27%)
- Black (22%)





- Cyan (22%)
- Magenta (78%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1127, 0.3978, 0.2259 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 17.1127, 0.3978, 0.2259 by changing the saturation by 10% instead.


 17.1127, 0.3978,
0.2259

 17.1127, 0.3978,
0.2259


235.8210, 0.3509,
0.2810


 10.3149, 0.4111,
0.2111


 38.5194, 0.3796,
0.2468


 5.6082, 0.4291,
0.1915


 53.8972, 0.3731,
0.2543


 2.6084, 0.4549,
0.1646

 72.9036, 0.3678,
0.2607

 0.9309, 0.4943,
0.1264

 95.9232, 0.3633,
0.2660

 0.0000, 0.6026,
0.0000

 123.3404, 0.3595,
0.2706

 0.0000, 1.0000,
0.0000

155.5395, 0.3562,

 0.0000, 0.0000,

0.2745

0.0000

192.9049, 0.3534,
0.2780

■ 17.1127, 0.3978,
0.2259

■ 17.1127, 0.3978,
0.2259

■ 15.2923, 0.4150,
0.2206

■ 19.7212, 0.3813,
0.2356

■ 14.1608, 0.4322,
0.2203

■ 23.1960, 0.3660,
0.2484

■ 13.5859, 0.4468,
0.2235

■ 27.6087, 0.3523,
0.2634

■ 33.0229, 0.3402,
0.2794

■ 39.4963, 0.3299,
0.2957

■ 47.0823, 0.3211,
0.3117

■ 55.8308, 0.3136,
0.3270

■ 65.7886, 0.3074,
0.3414

■ 76.9997, 0.3023,
0.3548

Harmonies

Analogous

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



17.1127, 0.2694, 0.1783



17.1127, 0.3978, 0.2259



17.1127, 0.5146, 0.2923

Triad

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



17.1127, 0.3978, 0.2259



17.1127, 0.4198, 0.5341



17.1127, 0.1181, 0.2149

Complementary

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



17.1127, 0.3978, 0.2259



42.8795, 0.2780, 0.4772

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.



17.1127, 0.1407, 0.3218



17.1127, 0.3978, 0.2259



17.1127, 0.3111, 0.5667

Square

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



17.1127, 0.3978, 0.2259



17.1127, 0.5110, 0.4502



17.1127, 0.2080, 0.4761



17.1127, 0.1311, 0.1665

Rectangle

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



17.1127, 0.3978, 0.2259



17.1127, 0.5514, 0.3414



17.1127, 0.2080, 0.4761



17.1127, 0.1213, 0.2431

Sweetspot

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



17.1136, 0.3978, 0.2259



69.2206, 0.3298, 0.2958



10.3017, 0.2167, 0.1234



14.0945, 0.3325, 0.2912



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.1136, 0.3978, 0.2259



25.4672, 0.4252, 0.2198



15.5894, 0.5228, 0.3096



10.7456, 0.3195, 0.3148



8.7500, 0.4446, 0.2223



0.4281, 0.4122, 0.2045

Inverse Universe

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



17.1136, 0.3978, 0.2259



25.4672, 0.4252, 0.2198



45.0312, 0.2415, 0.3582



10.7456, 0.3195, 0.3148



8.7500, 0.4446, 0.2223



0.4281, 0.4122, 0.2045

Previews

White Background



This preview shows how the Yxy color 17.1127, 0.3978, 0.2259 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 17.1127, 0.3978, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

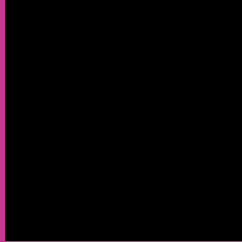
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1127, 0.3978, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 17.1127, 0.3978, 0.2259.



This preview shows how white text looks on a background with the Yxy color 17.1127, 0.3978, 0.2259.

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

17.1127, 0.3978, 0.2259

Protanopia

17.4243, 0.2196, 0.2035

Deuteranopia

17.3294, 0.2887, 0.2839



Tritanopia

17.0807, 0.4965, 0.3235

Trichromacy



Original Color

17.1127, 0.3978, 0.2259



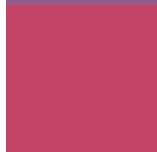
Protanomaly

15.3965, 0.2646, 0.2010



Deuteranomaly

15.8331, 0.3248, 0.2508



Tritanomaly

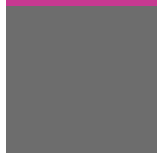
16.8695, 0.4624, 0.2854

Monochromacy



Original Color

17.1127, 0.3978, 0.2259



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.4683, 0.3455, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1127, 0.3978, 0.2259 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(199, 57, 145)` looks like.

```
.text, #text, p{  
    color:rgb(199, 57, 145)  
}
```

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(199, 57, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 57, 145) }
```

Border

The CSS property to change the border of an element to Yxy 17.1127, 0.3978, 0.2259 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(199, 57, 145) }
```

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

```
.border{ border-color:rgb(199, 57, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 57, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 57, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 57, 145);  
box-shadow:4px 4px 4px 4px rgb(199, 57,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1127, 0.3978, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 57, 145) }
```

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

```
.background{ background-color: rgb(199, 57,  
145) }
```

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