

Converting Colors

$Y_{xy}(12.4169, 0.4299, 0.2195)$

Have a look what the booklet for
Yxy(12.4169, 0.4299, 0.2195)
contains.

Yxy(12.3958, 0.4294, 0.2193)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3958, 0.4294, 0.2193)

Conversions

Conversions Part 1

Format	Color
Hex	BB117B
RGB	187, 17, 123
RGB Percent	73%, 7%, 48%
CMY	0.2666, 0.9334, 0.5176
CMYK	0.00, 0.91, 0.34, 0.27
HSL	323°, 83%, 40%
HSV	323°, 91%, 73%
XYZ	24.2716, 12.3958, 19.8570
YIQ	79.9140, 67.2940, 69.0060

Conversions

Conversions Part 2

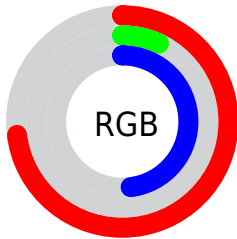
Format	Color
R_{YB}	187, 17, 123
Decimal	12259707
CIE _{Lab}	41.84, 67.91, -13.70
CIE _{LCh}	42, 69.281, 348.598
Yxy	12.3958, 0.4294, 0.2193
Android (android.graphics.Color)	4290449787 (0xFFBB117B)
YUV	79.9140, 21.2414, 93.9144
Hunter-Lab	35.2077, 61.4415, -8.7940

Details

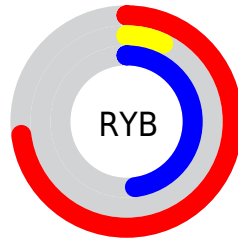
The Yxy color **12.3958, 0.4294, 0.2193** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **36.2572, 0.2804, 0.5217**, and the grayscale version is **7.9502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2211, 0.4009, 0.2430**, and **5.0836, 0.4578, 0.2295** is the 20% darker color. If you saturate the color by 10%, you get **11.8416, 0.4445, 0.2223**, and if you desaturate by 10%, it is **13.4212, 0.4125, 0.2201**.

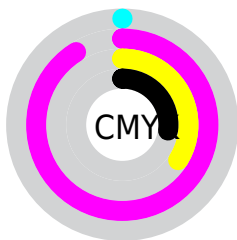
Distribution



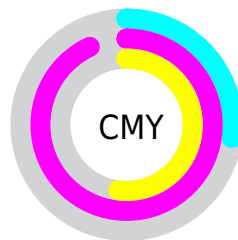
- Red (73%)
- Green (7%)
- Blue (48%)



- Red (73%)
- Yellow (7%)
- Blue (48%)



- Cyan (0%)
- Magenta (91%)
- Yellow (34%)
- Black (27%)




- Cyan (27%)
- Magenta (93%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3958, 0.4294, 0.2193 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 12.3958, 0.4294, 0.2193 by changing the saturation by 10% instead.


 12.3958, 0.4294,
0.2193


 12.3958, 0.4294,
0.2193


207.0083, 0.3616,
0.2808

 7.0138, 0.4502,
0.2016


 30.2140, 0.4021,
0.2433

 3.4708, 0.4798,
0.1776

 43.4189, 0.3926,
0.2518


 1.3822, 0.5243,
0.1436

 60.0004, 0.3850,
0.2588

 0.2035, 0.6227,
0.0549

 80.3427, 0.3787,
0.2647

 0.0000, 1.0000,
0.0000

 104.8302, 0.3734,
0.2696

 0.0000, 0.0000,
0.0000

 133.8474, 0.3689,

0.2738

167.7786, 0.3650,
0.2775

■ 12.3958, 0.4294,
0.2193

■ 12.3958, 0.4294,
0.2193

■ 11.8416, 0.4445,
0.2223

■ 13.4212, 0.4125,
0.2201

■ 15.0481, 0.3956,
0.2259

■ 17.3587, 0.3794,
0.2358

■ 20.4215, 0.3645,
0.2489

■ 24.2970, 0.3511,
0.2640

■ 29.0392, 0.3393,
0.2801

■ 34.6976, 0.3292,
0.2964

■ 41.3178, 0.3206,
0.3123

■ 48.9424, 0.3133,
0.3276

Harmonies

Analogous

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



12.3958, 0.2767, 0.1650



12.3958, 0.4294, 0.2193



12.3958, 0.5588, 0.2915

Triad

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



12.3958, 0.4294, 0.2193



12.3958, 0.4097, 0.5695



12.3958, 0.0966, 0.1869

Complementary

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



12.3958, 0.4294, 0.2193



36.2572, 0.2804, 0.5217

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.



12.3958, 0.1129, 0.2972



12.3958, 0.4294, 0.2193



12.3958, 0.2868, 0.6085

Square

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



12.3958, 0.4294, 0.2193



12.3958, 0.5215, 0.4674



12.3958, 0.1773, 0.4842



12.3958, 0.1150, 0.1434

Rectangle

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



12.3958, 0.4294, 0.2193



12.3958, 0.5886, 0.3434



12.3958, 0.1773, 0.4842



12.3958, 0.0978, 0.2145

Sweetspot

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



12.3965, 0.4294, 0.2193



55.3464, 0.3356, 0.2858



5.6643, 0.1895, 0.0864



11.4644, 0.3393, 0.2802



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



12.3965, 0.4294, 0.2193



21.1584, 0.4470, 0.2236



11.1169, 0.5986, 0.3158



9.6337, 0.3194, 0.3148



8.1724, 0.4426, 0.2212



0.3324, 0.4063, 0.2012

Inverse Universe

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



12.3965, 0.4294, 0.2193



21.1584, 0.4470, 0.2236



38.3562, 0.2368, 0.3671



9.6337, 0.3194, 0.3148



8.1724, 0.4426, 0.2212



0.3324, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 12.3958, 0.4294, 0.2193 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 12.3958, 0.4294, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

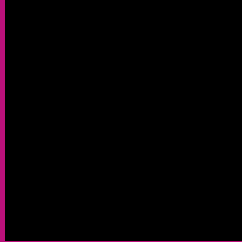
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3958, 0.4294, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 12.3958, 0.4294, 0.2193.



This preview shows how white text looks on a background with the Yxy color 12.3958, 0.4294, 0.2193.

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

12.3958, 0.4294, 0.2193

Protanopia

12.9846, 0.2073, 0.1879

Deuteranopia

12.8567, 0.2972, 0.2927



Tritanopia

12.4742, 0.5529, 0.3276

Trichromacy



Original Color

12.3958, 0.4294, 0.2193

Protanomaly

10.0023, 0.2572, 0.1762

Deuteranomaly

10.6326, 0.3442, 0.2403

Tritanomaly

12.1266, 0.5155, 0.2863

Monochromacy



Original Color

12.3958, 0.4294, 0.2193

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

7.6927, 0.3626, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3958, 0.4294, 0.2193 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(187, 17, 123)` looks like.

```
.text, #text, p{  
    color:rgb(187, 17, 123)  
}
```

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(187, 17, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 17, 123) }
```

Border

The CSS property to change the border of an element to Yxy 12.3958, 0.4294, 0.2193 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(187, 17, 123) }
```

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

```
.border{ border-color:rgb(187, 17, 123) }
```

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

Here you see how a box with a 4 pixel rgb(187, 17, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 17, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 17, 123);  
box-shadow:4px 4px 4px 4px rgb(187, 17,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3958, 0.4294, 0.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 17, 123) }
```

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

```
.background{ background-color: rgb(187, 17,  
123) }
```

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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