

Converting Colors

$Y_{xy}(12.3799, 0.4147, 0.2118)$

Have a look what the booklet for
Yxy(12.3799, 0.4147, 0.2118)
contains.

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Color

Yxy(12.3650, 0.4141, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	B91381
RGB	185, 19, 129
RGB Percent	73%, 7%, 51%
CMY	0.2746, 0.9251, 0.4942
CMYK	0.00, 0.90, 0.30, 0.27
HSL	320°, 81%, 40%
HSV	320°, 90%, 73%
XYZ	24.1982, 12.3650, 21.8725
YIQ	81.1740, 63.6260, 69.4020

Conversions

Conversions Part 2

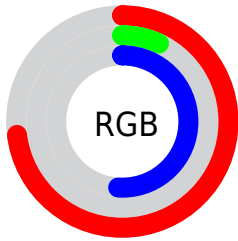
Format	Color
R_{YB}	185, 19, 129
Decimal	12129153
CIE _{Lab}	41.79, 67.80, -17.49
CIE _{LCh}	42, 70.021, 345.532
Yxy	12.3650, 0.4141, 0.2116
Android (android.graphics.Color)	4290319233 (0xFFB91381)
YUV	81.1740, 23.5782, 91.0554
Hunter-Lab	35.1639, 61.2989, -12.2646

Details

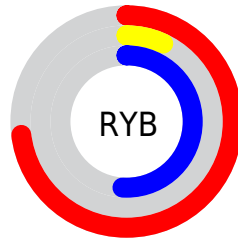
The Yxy color **12.3650, 0.4141, 0.2116** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **35.3389, 0.2831, 0.5296**, and the grayscale version is **8.2190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1022, 0.3908, 0.2365**, and **5.0912, 0.4373, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **11.7485, 0.4286, 0.2136**, and if you desaturate by 10%, it is **13.4286, 0.3994, 0.2139**.

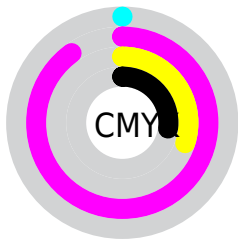
Distribution



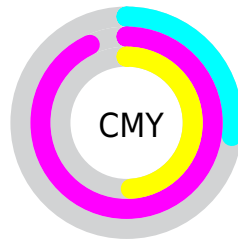
- Red (73%)
- Green (7%)
- Blue (51%)



- Red (73%)
- Yellow (7%)
- Blue (51%)



- Cyan (0%)
- Magenta (90%)
- Yellow (30%)
- Black (27%)





- Cyan (27%)
- Magenta (93%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3650, 0.4141, 0.2116 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 12.3650, 0.4141, 0.2116 by changing the saturation by 10% instead.

 12.3650, 0.4141,
0.2116


 12.3650, 0.4141,
0.2116


206.8069, 0.3560,
0.2765


 6.9928, 0.4315,
0.1934


 30.1582, 0.3909,
0.2367


 3.4576, 0.4559,
0.1689


 43.3479, 0.3829,
0.2457


 1.3750, 0.4919,
0.1348

 59.9122, 0.3763,
0.2531

 0.1982, 0.5716,
0.0494

 80.2355, 0.3709,
0.2593

 0.0000, 0.7722,
0.0000

 104.7023, 0.3663,
0.2646

 0.0000, 0.0000,
0.0000

 133.6968, 0.3624,

0.2691

167.6036, 0.3590,
0.2731

■ 12.3650, 0.4141,
0.2116

■ 12.3650, 0.4141,
0.2116

■ 11.7485, 0.4286,
0.2136

■ 13.4286, 0.3994,
0.2139

■ 11.7301, 0.4290,
0.2137

■ 15.0874, 0.3848,
0.2210

■ 17.4193, 0.3707,
0.2322

■ 20.4899, 0.3577,
0.2463

■ 24.3569, 0.3460,
0.2624

■ 29.0724, 0.3356,
0.2794

■ 34.6839, 0.3266,
0.2966

■ 41.2353, 0.3190,
0.3134

■ 48.7679, 0.3125,
0.3295

Harmonies

Analogous

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



12.3650, 0.2626, 0.1597



12.3650, 0.4141, 0.2116



12.3650, 0.5521, 0.2830

Triad

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



12.3650, 0.4141, 0.2116



12.3650, 0.4228, 0.5626



12.3650, 0.0951, 0.1931

Complementary

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



12.3650, 0.4141, 0.2116



35.3389, 0.2831, 0.5296

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.



12.3650, 0.1153, 0.3130



12.3650, 0.4141, 0.2116



12.3650, 0.2982, 0.6142

Square

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



12.3650, 0.4141, 0.2116



12.3650, 0.5322, 0.4568



12.3650, 0.1854, 0.5059



12.3650, 0.1102, 0.1443

Rectangle

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



12.3650, 0.4141, 0.2116



12.3650, 0.5900, 0.3346



12.3650, 0.1854, 0.5059



12.3650, 0.0974, 0.2233

Sweetspot

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



12.3657, 0.4141, 0.2116



54.1794, 0.3335, 0.2832



5.4431, 0.1862, 0.0856



11.0010, 0.3367, 0.2774



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



12.3657, 0.4141, 0.2116



20.9681, 0.4312, 0.2149



10.9845, 0.5857, 0.3101



9.1098, 0.3188, 0.3140



8.0030, 0.4273, 0.2128



0.2932, 0.3935, 0.1941

Inverse Universe

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



12.3657, 0.4141, 0.2116



20.9681, 0.4312, 0.2149



37.2752, 0.2397, 0.3765



9.1098, 0.3188, 0.3140



8.0030, 0.4273, 0.2128



0.2932, 0.3935, 0.1941

Previews

White Background



This preview shows how the Yxy color 12.3650, 0.4141, 0.2116 looks on a white background.

Color Contrast Check

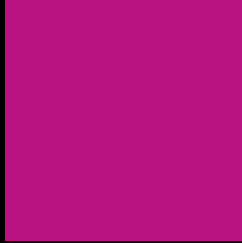
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3650, 0.4141, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

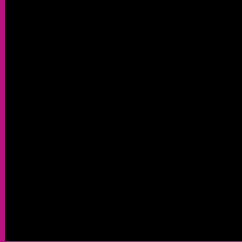
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3650, 0.4141, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 12.3650, 0.4141, 0.2116.



This preview shows how white text looks on a background with the Yxy color 12.3650, 0.4141, 0.2116.

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

12.3650, 0.4141, 0.2116

Protanopia

12.8154, 0.1984, 0.1764

Deuteranopia

12.8252, 0.2856, 0.2802



Tritanopia

12.5350, 0.5418, 0.3264

Trichromacy



Original Color

12.3650, 0.4141, 0.2116



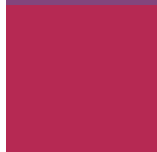
Protanomaly

9.8681, 0.2426, 0.1654



Deuteranomaly

10.5368, 0.3291, 0.2292



Tritanomaly

12.1555, 0.5012, 0.2814

Monochromacy



Original Color

12.3650, 0.4141, 0.2116



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

7.8299, 0.3581, 0.2476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3650, 0.4141, 0.2116 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(185, 19, 129)` looks like.

```
.text, #text, p{  
    color:rgb(185, 19, 129)  
}
```

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(185, 19, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 19, 129) }
```

Border

The CSS property to change the border of an element to Yxy 12.3650, 0.4141, 0.2116 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(185, 19, 129) }
```

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

```
.border{ border-color:rgb(185, 19, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 19, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 19, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 19, 129);  
box-shadow:4px 4px 4px 4px rgb(185, 19,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3650, 0.4141, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 19, 129) }
```

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

```
.background{ background-color: rgb(185, 19,  
129) }
```

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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