

Converting Colors

$Y_{xy}(15.0736, 0.3940, 0.2268)$

Have a look what the booklet for
Yxy(15.0736, 0.3940, 0.2268)
contains.

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Color

Yxy(15.0736, 0.3940, 0.2268)

Conversions

Conversions Part 1

Format	Color
Hex	BA3889
RGB	186, 56, 137
RGB Percent	73%, 22%, 54%
CMY	0.2705, 0.7805, 0.4627
CMYK	0.00, 0.70, 0.26, 0.27
HSL	323°, 54%, 47%
HSV	323°, 70%, 73%
XYZ	26.1861, 15.0736, 25.2024
YIQ	104.1040, 51.4790, 52.7510

Conversions

Conversions Part 2

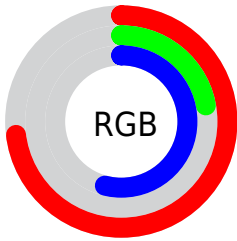
Format	Color
R_{YB}	186, 56, 137
Decimal	12204169
CIE _{Lab}	45.73, 59.25, -16.36
CIE _{LCh}	46, 61.466, 344.565
Yxy	15.0736, 0.3940, 0.2268
Android (android.graphics.Color)	4290394249 (0xFFBA3889)
YUV	104.1040, 16.2177, 71.8228
Hunter-Lab	38.8247, 52.4493, -11.3098

Details

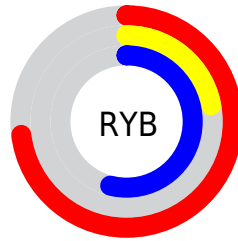
The Yxy color **15.0736, 0.3940, 0.2268** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **36.9907, 0.2785, 0.4737**, and the grayscale version is **13.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9404, 0.3763, 0.2487**, and **5.3552, 0.4207, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **13.4006, 0.4108, 0.2206**, and if you desaturate by 10%, it is **17.4309, 0.3779, 0.2371**.

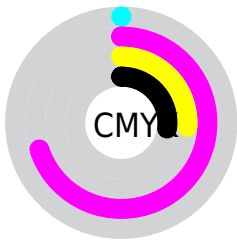
Distribution



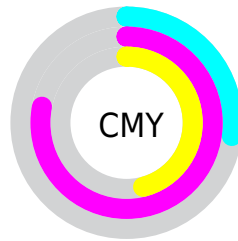
- Red (73%)
- Green (22%)
- Blue (54%)



- Red (73%)
- Yellow (22%)
- Blue (54%)



- Cyan (0%)
- Magenta (70%)
- Yellow (26%)
- Black (27%)



- Cyan (27%)
- Magenta (78%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0736, 0.3940, 0.2268 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 15.0736, 0.3940, 0.2268 by changing the saturation by 10% instead.


 15.0736, 0.3940,
0.2268


 15.0736, 0.3940,
0.2268


223.8113, 0.3484,
0.2826


 8.8711, 0.4073,
0.2113


 34.9822, 0.3761,
0.2482


 4.6572, 0.4256,
0.1906


 49.4571, 0.3698,
0.2559

 2.0476, 0.4524,
0.1617

 67.4583, 0.3646,
0.2623

 0.6349, 0.4965,
0.1159

 89.3700, 0.3603,
0.2676

 0.0000, 0.6154,
0.0000

 115.5768, 0.3566,
0.2722

 0.0000, 0.0000,
0.0000

146.4630, 0.3535,

0.2761

182.4130, 0.3508,
0.2796

■ 15.0736, 0.3940,
0.2268

■ 15.0736, 0.3940,
0.2268

■ 13.4006, 0.4108,
0.2206

■ 17.4309, 0.3779,
0.2371

■ 12.3306, 0.4278,
0.2192

■ 20.5369, 0.3631,
0.2504

■ 11.7071, 0.4445,
0.2223

■ 24.4513, 0.3499,
0.2656

■ 11.7025, 0.4447,
0.2223

■ 29.2269, 0.3382,
0.2818

■ 34.9121, 0.3283,
0.2980

■ 41.5517, 0.3198,
0.3139

■ 49.1875, 0.3127,
0.3291

■ 57.8587, 0.3067,
0.3434

■ 67.6027, 0.3017,
0.3567

Harmonies

Analogous

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



15.0736, 0.2686, 0.1801



15.0736, 0.3940, 0.2268



15.0736, 0.5089, 0.2923

Triad

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



15.0736, 0.3940, 0.2268



15.0736, 0.4208, 0.5297



15.0736, 0.1211, 0.2186

Complementary

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



15.0736, 0.3940, 0.2268



36.9907, 0.2785, 0.4737

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.



15.0736, 0.1444, 0.3246



15.0736, 0.3940, 0.2268



15.0736, 0.3139, 0.5614

Square

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



15.0736, 0.3940, 0.2268



15.0736, 0.5094, 0.4481



15.0736, 0.2119, 0.4747



15.0736, 0.1333, 0.1697

Rectangle

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



15.0736, 0.3940, 0.2268



15.0736, 0.5463, 0.3409



15.0736, 0.2119, 0.4747



15.0736, 0.1245, 0.2468

Sweetspot

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



15.0744, 0.3940, 0.2268



61.6800, 0.3296, 0.2957



9.2935, 0.2195, 0.1279



12.9313, 0.3323, 0.2912



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.



15.0744, 0.3940, 0.2268



23.0942, 0.4202, 0.2192



13.7528, 0.5149, 0.3095



9.1038, 0.3193, 0.3149



7.8849, 0.4426, 0.2212



0.2896, 0.4036, 0.1997

Inverse Universe

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



15.0744, 0.3940, 0.2268



23.0942, 0.4202, 0.2192



38.8242, 0.2423, 0.3574



9.1038, 0.3193, 0.3149



7.8849, 0.4426, 0.2212



0.2896, 0.4036, 0.1997

Previews

White Background



This preview shows how the Yxy color 15.0736, 0.3940, 0.2268 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 15.0736, 0.3940, 0.2268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

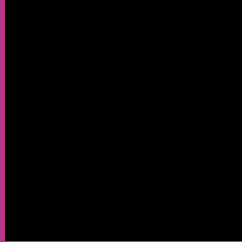
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0736, 0.3940, 0.2268

Background



This preview shows how black text looks on a background with the Yxy color 15.0736, 0.3940, 0.2268.



This preview shows how white text looks on a background with the Yxy color 15.0736, 0.3940, 0.2268.

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

15.0736, 0.3940, 0.2268

Protanopia

15.4495, 0.2218, 0.2069

Deuteranopia

15.3783, 0.2875, 0.2835



Tritanopia

15.1247, 0.4884, 0.3243

Trichromacy



Original Color

15.0736, 0.3940, 0.2268

Protanomaly

13.5457, 0.2652, 0.2033

Deuteranomaly

13.9913, 0.3223, 0.2500

Tritanomaly

14.9824, 0.4556, 0.2870

Monochromacy



Original Color

15.0736, 0.3940, 0.2268

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.1457, 0.3434, 0.2754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0736, 0.3940, 0.2268 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(186, 56, 137)` looks like.

```
.text, #text, p{  
  color:rgb(186, 56, 137)  
}
```

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(186, 56, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 56, 137) }
```

Border

The CSS property to change the border of an element to Yxy 15.0736, 0.3940, 0.2268 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(186, 56, 137) }
```

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

```
.border{ border-color:rgb(186, 56, 137) }
```

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

Here you see how a box with a 4 pixel rgb(186, 56, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 56, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 56, 137);  
box-shadow:4px 4px 4px 4px rgb(186, 56,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0736, 0.3940, 0.2268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 56, 137) }
```

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

```
.background{ background-color: rgb(186, 56,  
137) }
```

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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