

Converting Colors

$Y_{xy}(13.7983, 0.3602, 0.1758)$

Have a look what the booklet for
Yxy(13.7983, 0.3602, 0.1758)
contains.

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Color

Yxy(13.7567, 0.3603, 0.1758)

Conversions

Conversions Part 1

Format	Color
Hex	BF00A4
RGB	191, 0, 164
RGB Percent	75%, 0%, 64%
CMY	0.2509, 1.0000, 0.3568
CMYK	0.00, 1.00, 0.14, 0.25
HSL	308°, 100%, 37%
HSV	308°, 100%, 75%
XYZ	28.1942, 13.7567, 36.3011
YIQ	75.8050, 61.1920, 91.4960

Conversions

Conversions Part 2

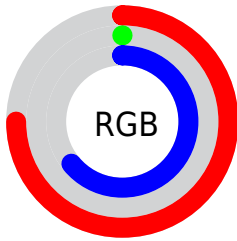
Format	Color
RYB	191, 0, 164
Decimal	12517540
CIELab	43.88, 75.35, -35.44
CIElCh	44, 83.265, 334.812
Yxy	13.7567, 0.3603, 0.1758
Android (android.graphics.Color)	4290707620 (0xFFBF00A4)
YUV	75.8050, 43.4801, 101.0260
Hunter-Lab	37.0900, 70.7802, -32.0658

Details

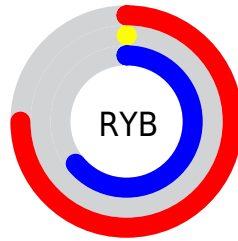
The Yxy color **13.7567, 0.3603, 0.1758** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **37.3551, 0.2969, 0.5888**, and the grayscale version is **7.1030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6031, 0.3525, 0.2050**, and **6.1564, 0.3640, 0.1779** is the 20% darker color. If you saturate the color by 10%, you get **13.7617, 0.3603, 0.1758**, and if you desaturate by 10%, it is **14.3296, 0.3554, 0.1776**.

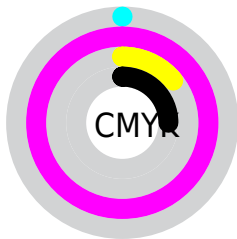
Distribution



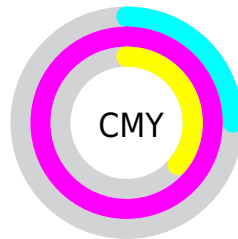
- Red (75%)
- Green (0%)
- Blue (64%)



- Red (75%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7567, 0.3603, 0.1758 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 13.7567, 0.3603, 0.1758 by changing the saturation by 10% instead.


 13.7567, 0.3603,
0.1758


 13.7567, 0.3603,
0.1758


 215.7120, 0.3372,
0.2548


 7.9516, 0.3654,
0.1561


 32.6567, 0.3523,
0.2047


 4.0640, 0.3713,
0.1313


 46.5204, 0.3492,
0.2155


 1.7094, 0.3777,
0.0998


 63.8392, 0.3464,
0.2247

 0.4298, 0.3865,
0.0523

 84.9973, 0.3441,
0.2325

 0.0000, 0.3881,
0.0000

 110.3793, 0.3420,
0.2392

 0.0000, 0.2115,
0.0000

 140.3695, 0.3402,

 0.0000, 0.0000,

0.2451

0.0000

175.3522, 0.3386,
0.2503

■ 13.7567, 0.3603,
0.1758

■ 13.7567, 0.3603,
0.1758

■ 13.7617, 0.3603,
0.1758

■ 14.3296, 0.3554,
0.1776

■ 15.3606, 0.3503,
0.1830

■ 17.0210, 0.3449,
0.1929

■ 19.3949, 0.3395,
0.2069

■ 22.5538, 0.3341,
0.2241

■ 26.5601, 0.3290,
0.2438

■ 31.4703, 0.3243,
0.2649

■ 37.3357, 0.3199,
0.2866

■ 44.2040, 0.3161,
0.3081

Harmonies

Analogous

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



13.7567, 0.2083, 0.1320



13.7567, 0.3603, 0.1758



13.7567, 0.5381, 0.2454

Triad

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



13.7567, 0.3603, 0.1758



13.7567, 0.4668, 0.5332



13.7567, 0.0792, 0.2097

Complementary

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



13.7567, 0.3603, 0.1758



37.3551, 0.2969, 0.5888

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.



13.7567, 0.1132, 0.3814



13.7567, 0.3603, 0.1758



13.7567, 0.3323, 0.6438

Square

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



13.7567, 0.3603, 0.1758



13.7567, 0.5826, 0.4167



13.7567, 0.2050, 0.6076



13.7567, 0.0842, 0.1380

Rectangle

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



13.7567, 0.3603, 0.1758



13.7567, 0.6096, 0.2968



13.7567, 0.2050, 0.6076



13.7567, 0.0852, 0.2534

Sweetspot

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



13.7617, 0.3603, 0.1758



55.8867, 0.3245, 0.2639



3.9757, 0.1550, 0.0628



11.4109, 0.3265, 0.2548



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.7617, 0.3603, 0.1758



24.6103, 0.3610, 0.1762



11.5234, 0.5518, 0.2813



9.6724, 0.3159, 0.3095



9.0496, 0.3597, 0.1755



0.3609, 0.3491, 0.1697

Inverse Universe

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



13.7617, 0.3603, 0.1758



24.6103, 0.3610, 0.1762



38.6561, 0.2595, 0.4541



9.6724, 0.3159, 0.3095



9.0496, 0.3597, 0.1755



0.3609, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 13.7567, 0.3603, 0.1758 looks on a white background.

Color Contrast Check

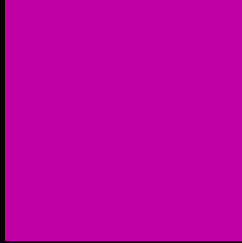
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7567, 0.3603, 0.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

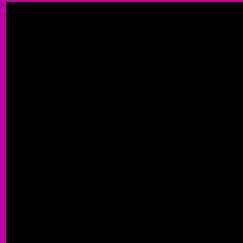
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7567, 0.3603, 0.1758

Background



This preview shows how black text looks on a background with the Yxy color 13.7567, 0.3603, 0.1758.



This preview shows how white text looks on a background with the Yxy color 13.7567, 0.3603, 0.1758.

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

13.7567, 0.3603, 0.1758

Protanopia

14.5125, 0.1739, 0.1461

Deuteranopia

14.4147, 0.2385, 0.2336



Tritanopia

14.1430, 0.5122, 0.3259

Trichromacy



Original Color

13.7567, 0.3603, 0.1758



Protanomaly

9.1230, 0.1862, 0.1168



Deuteranomaly

10.7680, 0.2712, 0.1771



Tritanomaly

12.8794, 0.4629, 0.2565

Monochromacy



Original Color

13.7567, 0.3603, 0.1758



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0482, 0.3380, 0.2120

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7567, 0.3603, 0.1758 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(191, 0, 164)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 164)  
}
```

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(191, 0, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 164) }
```

Border

The CSS property to change the border of an element to Yxy 13.7567, 0.3603, 0.1758 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(191, 0, 164) }
```

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

```
.border{ border-color:rgb(191, 0, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 164);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7567, 0.3603, 0.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 164) }
```

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

```
.background{ background-color: rgb(191, 0,  
164) }
```

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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