

Converting Colors

$Y_{xy}(14.7357, 0.3234, 0.1596)$

Have a look what the booklet for
Yxy(14.7357, 0.3234, 0.1596)
contains.

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Color

Yxy(14.7368, 0.3234, 0.1596)

Conversions

Conversions Part 1

Format	Color
Hex	BC14BA
RGB	188, 20, 186
RGB Percent	74%, 8%, 73%
CMY	0.2626, 0.9222, 0.2705
CMYK	0.00, 0.89, 0.01, 0.26
HSL	301°, 81%, 41%
HSV	301°, 89%, 74%
XYZ	29.8614, 14.7368, 47.7376
YIQ	89.1560, 46.8420, 87.2420

Conversions

Conversions Part 2

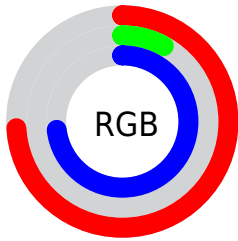
Format	Color
R_{YB}	188, 20, 186
Decimal	12326074
CIE _{Lab}	45.27, 75.81, -46.30
CIE _{LCh}	45, 88.825, 328.587
Yxy	14.7368, 0.3234, 0.1596
Android (android.graphics.Color)	4290516154 (0xFFBC14BA)
YUV	89.1560, 47.7441, 86.6862
Hunter-Lab	38.3885, 71.6704, -46.8574

Details

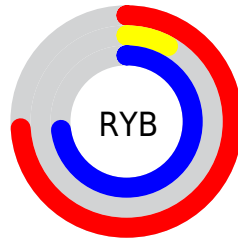
The Yxy color **14.7368, 0.3234, 0.1596** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **36.1886, 0.3001, 0.5896**, and the grayscale version is **9.8926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4329, 0.3242, 0.1895**, and **6.4118, 0.3173, 0.1521** is the 20% darker color. If you saturate the color by 10%, you get **14.2557, 0.3239, 0.1560**, and if you desaturate by 10%, it is **15.6802, 0.3227, 0.1667**.

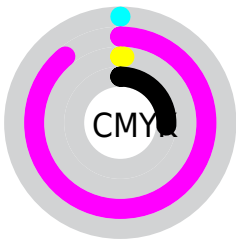
Distribution



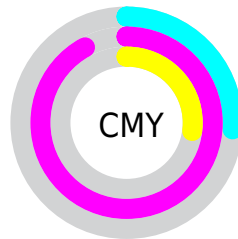
- Red (74%)
- Green (8%)
- Blue (73%)



- Red (74%)
- Yellow (8%)
- Blue (73%)



- Cyan (0%)
- Magenta (89%)
- Yellow (1%)
- Black (26%)





- Cyan (26%)
- Magenta (92%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7368, 0.3234, 0.1596 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 14.7368, 0.3234, 0.1596 by changing the saturation by 10% instead.

 14.7368, 0.3234,
0.1596


 14.7368, 0.3234,
0.1596


221.7676, 0.3225,
0.2439


 8.6349, 0.3218,
0.1398


 34.3908, 0.3243,
0.1896


 4.5038, 0.3186,
0.1156


 48.7116, 0.3243,
0.2011


 1.9592, 0.3121,
0.0861


 66.5409, 0.3241,
0.2109

 0.5836, 0.2995,
0.0489

 88.2630, 0.3238,
0.2194

 0.0000, 0.2746,
0.0000

 114.2623, 0.3235,
0.2267

 0.0000, 0.1624,
0.0000

 144.9233, 0.3231,

 0.0000, 0.0000,

0.2332

0.0000

180.6302, 0.3228,
0.2389

■ 14.7368, 0.3234,
0.1596

■ 14.7368, 0.3234,
0.1596

■ 14.2557, 0.3239,
0.1560

■ 15.6802, 0.3227,
0.1667

■ 14.2327, 0.3239,
0.1558

■ 17.2328, 0.3218,
0.1781

■ 19.4754, 0.3207,
0.1935

■ 22.4760, 0.3195,
0.2124

■ 26.2943, 0.3182,
0.2341

■ 30.9842, 0.3168,
0.2576

■ 36.5950, 0.3153,
0.2820

■ 43.1722, 0.3140,
0.3064

■ 50.7584, 0.3126,
0.3303

Harmonies

Analogous

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



14.7368, 0.1812, 0.1219



14.7368, 0.3234, 0.1596



14.7368, 0.5124, 0.2260

Triad

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



14.7368, 0.3234, 0.1596



14.7368, 0.4935, 0.5065



14.7368, 0.0767, 0.2307

Complementary

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



14.7368, 0.3234, 0.1596



36.1886, 0.3001, 0.5896

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.



14.7368, 0.1208, 0.4347



14.7368, 0.3234, 0.1596



14.7368, 0.3595, 0.6403

Square

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



14.7368, 0.3234, 0.1596



14.7368, 0.6042, 0.3916



14.7368, 0.2240, 0.6504



14.7368, 0.0756, 0.1418

Rectangle

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



14.7368, 0.3234, 0.1596



14.7368, 0.6044, 0.2772



14.7368, 0.2240, 0.6504



14.7368, 0.0854, 0.2841

Sweetspot

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



14.7375, 0.3234, 0.1596



58.0303, 0.3165, 0.2624



4.2744, 0.1556, 0.0692



11.7923, 0.3170, 0.2542



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.



14.7375, 0.3234, 0.1596



25.7790, 0.3240, 0.1558



12.1896, 0.4710, 0.2444



9.6943, 0.3140, 0.3067



9.6864, 0.3239, 0.1558



0.3801, 0.3231, 0.1554

Inverse Universe

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



14.7375, 0.3234, 0.1596



25.7790, 0.3240, 0.1558



37.1295, 0.2696, 0.4819



9.6943, 0.3140, 0.3067



9.6864, 0.3239, 0.1558



0.3801, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 14.7368, 0.3234, 0.1596 looks on a white background.

Color Contrast Check

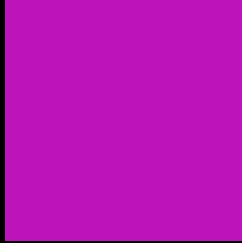
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7368, 0.3234, 0.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

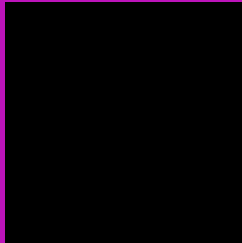
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7368, 0.3234, 0.1596

Background



This preview shows how black text looks on a background with the Yxy color 14.7368, 0.3234, 0.1596.



This preview shows how white text looks on a background with the Yxy color 14.7368, 0.3234, 0.1596.

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

14.7368, 0.3234, 0.1596

Protanopia

15.3236, 0.1743, 0.1476

Deuteranopia

15.2976, 0.2127, 0.2077



Tritanopia

14.9585, 0.4765, 0.3226

Trichromacy



Original Color

14.7368, 0.3234, 0.1596



Protanomaly

10.6806, 0.1848, 0.1217



Deuteranomaly

12.0072, 0.2376, 0.1633



Tritanomaly

13.8880, 0.4202, 0.2457

Monochromacy



Original Color

14.7368, 0.3234, 0.1596



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.4820, 0.3196, 0.2176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7368, 0.3234, 0.1596 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(188, 20, 186)` looks like.

```
.text, #text, p{  
  color:rgb(188, 20, 186)  
}
```

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(188, 20, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 20, 186) }
```

Border

The CSS property to change the border of an element to Yxy 14.7368, 0.3234, 0.1596 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(188, 20, 186) }
```

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

```
.border{ border-color:rgb(188, 20, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 20, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 20, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 20, 186);  
box-shadow:4px 4px 4px 4px rgb(188, 20,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7368, 0.3234, 0.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 20, 186) }
```

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

```
.background{ background-color: rgb(188, 20,  
186) }
```

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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