

Converting Colors

$Y_{xy}(14.1953, 0.3866, 0.2068)$

Have a look what the booklet for
Yxy(14.1953, 0.3866, 0.2068)
contains.

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Color

Yxy(14.1560, 0.3875, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	BC2790
RGB	188, 39, 144
RGB Percent	74%, 15%, 56%
CMY	0.2627, 0.8471, 0.4352
CMYK	0.00, 0.79, 0.23, 0.26
HSL	318°, 66%, 45%
HSV	318°, 79%, 74%
XYZ	26.4998, 14.1560, 27.7307
YIQ	95.5210, 55.0990, 64.2430

Conversions

Conversions Part 2

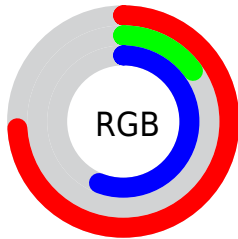
Format	Color
R_{YB}	188, 39, 144
Decimal	12330896
CIE _{Lab}	44.46, 66.06, -22.54
CIE _{LCh}	44, 69.796, 341.159
Yxy	14.1560, 0.3875, 0.2070
Android (android.graphics.Color)	4290520976 (0xFFBC2790)
YUV	95.5210, 23.9001, 81.1041
Hunter-Lab	37.6245, 59.8788, -17.3620

Details

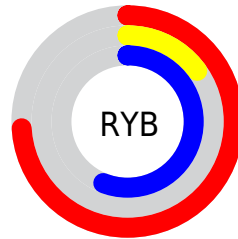
The Yxy color **14.1560, 0.3875, 0.2070** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.0215, 0.2844, 0.5167**, and the grayscale version is **11.5075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3410, 0.3721, 0.2316**, and **5.5361, 0.4058, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **13.0475, 0.3999, 0.2037**, and if you desaturate by 10%, it is **15.8857, 0.3751, 0.2150**.

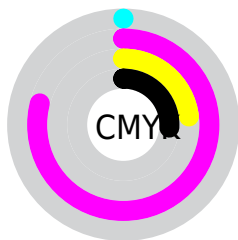
Distribution



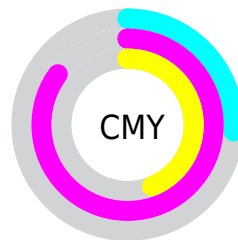
- Red (74%)
- Green (15%)
- Blue (56%)



- Red (74%)
- Yellow (15%)
- Blue (56%)



- Cyan (0%)
- Magenta (79%)
- Yellow (23%)
- Black (26%)





- Cyan (26%)
- Magenta (85%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1560, 0.3875, 0.2070 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 14.1560, 0.3875, 0.2070 by changing the saturation by 10% instead.


 14.1560, 0.3875,
0.2070

 14.1560, 0.3875,
0.2070


218.1992, 0.3465,
0.2725


 8.2292, 0.3989,
0.1894


 33.3656, 0.3717,
0.2318


 4.2420, 0.4143,
0.1663


 47.4172, 0.3661,
0.2408

 1.8098, 0.4358,
0.1350

 64.9459, 0.3614,
0.2483

 0.4933, 0.4718,
0.0834

 86.3360, 0.3574,
0.2547

 0.0000, 0.5348,
0.0000

 111.9720, 0.3541,
0.2601

 0.0000, 0.0000,
0.0000

 142.2383, 0.3512,

0.2648

177.5192, 0.3487,
0.2689

■ 14.1560, 0.3875,
0.2070

■ 14.1560, 0.3875,
0.2070

■ 13.0475, 0.3999,
0.2037

■ 15.8857, 0.3751,
0.2150

■ 12.4131, 0.4120,
0.2047

■ 18.3140, 0.3631,
0.2271

■ 12.3712, 0.4129,
0.2048

■ 21.5098, 0.3520,
0.2421

■ 25.5326, 0.3418,
0.2591

■ 30.4363, 0.3327,
0.2771

■ 36.2702, 0.3249,
0.2953

■ 43.0798, 0.3181,
0.3131

■ 50.9079, 0.3123,
0.3302

■ 59.7943, 0.3075,
0.3464

Harmonies

Analogous

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



14.1560, 0.2474, 0.1599



14.1560, 0.3875, 0.2070



14.1560, 0.5270, 0.2753

Triad

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



14.1560, 0.3875, 0.2070



14.1560, 0.4378, 0.5404



14.1560, 0.1020, 0.2110

Complementary

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



14.1560, 0.3875, 0.2070



37.0215, 0.2844, 0.5167

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.



14.1560, 0.1291, 0.3390



14.1560, 0.3875, 0.2070



14.1560, 0.3192, 0.6010

Square

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



14.1560, 0.3875, 0.2070



14.1560, 0.5367, 0.4403



14.1560, 0.2060, 0.5209



14.1560, 0.1119, 0.1545

Rectangle

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



14.1560, 0.3875, 0.2070



14.1560, 0.5752, 0.3258



14.1560, 0.2060, 0.5209



14.1560, 0.1063, 0.2443

Sweetspot

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



14.1567, 0.3875, 0.2070



60.0860, 0.3288, 0.2859



6.8409, 0.1936, 0.1002



12.1358, 0.3317, 0.2794



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.



14.1567, 0.3875, 0.2070



22.7863, 0.4087, 0.2043



12.6010, 0.5325, 0.2968



9.6470, 0.3181, 0.3130



8.4366, 0.4115, 0.2040



0.3414, 0.3850, 0.1895

Inverse Universe

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



14.1567, 0.3875, 0.2070



22.7863, 0.4087, 0.2043



38.7880, 0.2453, 0.3837



9.6470, 0.3181, 0.3130



8.4366, 0.4115, 0.2040



0.3414, 0.3850, 0.1895

Previews

White Background



This preview shows how the Yxy color 14.1560, 0.3875, 0.2070 looks on a white background.

Color Contrast Check

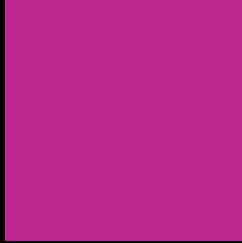
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.1560, 0.3875, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

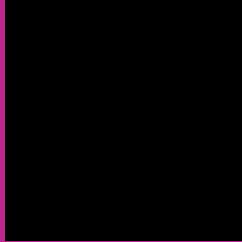
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.1560, 0.3875, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 14.1560, 0.3875, 0.2070.



This preview shows how white text looks on a background with the Yxy color 14.1560, 0.3875, 0.2070.

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

14.1560, 0.3875, 0.2070

Protanopia

14.5876, 0.1964, 0.1735

Deuteranopia

14.4449, 0.2708, 0.2650



Tritanopia

14.1553, 0.5104, 0.3247

Trichromacy



Original Color

14.1560, 0.3875, 0.2070

Protanomaly

11.9977, 0.2353, 0.1683

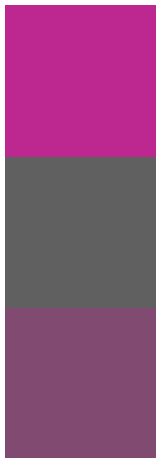
Deuteranomaly

12.5879, 0.3086, 0.2258

Tritanomaly

13.8632, 0.4689, 0.2791

Monochromacy



Original Color

14.1560, 0.3875, 0.2070

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

10.8915, 0.3432, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1560, 0.3875, 0.2070 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, 39, 144)` looks like.

```
.text, #text, p{  
    color:rgb(188, 39, 144)  
}
```

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, 39, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 39, 144) }
```

Border

The CSS property to change the border of an element to Yxy 14.1560, 0.3875, 0.2070 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, 39, 144) }
```

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

```
.border{ border-color:rgb(188, 39, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 39, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 39, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 39, 144);  
box-shadow:4px 4px 4px 4px rgb(188, 39,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 14.1560, 0.3875, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 39, 144) }
```

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

```
.background{ background-color: rgb(188, 39,  
144) }
```

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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