

Converting Colors

$Y_{xy}(12.5000, 0.4174, 0.2062)$

Have a look what the booklet for
Yxy(12.5000, 0.4174, 0.2062)
contains.

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Color

Yxy(12.6131, 0.4168, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	BE0084
RGB	190, 0, 132
RGB Percent	75%, 0%, 52%
CMY	0.2550, 0.9995, 0.4824
CMYK	0.00, 1.00, 0.31, 0.25
HSL	318°, 100%, 37%
HSV	318°, 100%, 75%
XYZ	25.3968, 12.6131, 22.9229
YIQ	71.8580, 70.8680, 81.3320

Conversions

Conversions Part 2

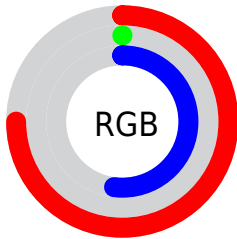
Format	Color
R_{YB}	190, 0, 132
Decimal	12451972
CIE _{Lab}	42.17, 71.29, -18.68
CIE _{LCh}	42, 73.699, 345.320
Yxy	12.6131, 0.4168, 0.2070
Android (android.graphics.Color)	4290642052 (0xFFBE0084)
YUV	71.8580, 29.6500, 103.6105
Hunter-Lab	35.5149, 65.4947, -13.4080

Details

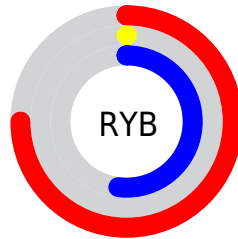
The Yxy color **12.6131, 0.4168, 0.2070** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.1280, 0.2885, 0.5585**, and the grayscale version is **6.4068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6676, 0.3941, 0.2330**, and **5.4345, 0.4393, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **12.6099, 0.4169, 0.2070**, and if you desaturate by 10%, it is **13.2444, 0.4041, 0.2055**.

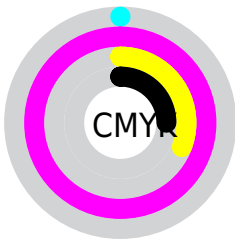
Distribution



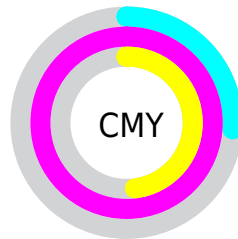
- Red (75%)
- Green (0%)
- Blue (52%)



- Red (75%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (25%)





- Cyan (26%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6131, 0.4168, 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 12.6131, 0.4168, 0.2070 by changing the saturation by 10% instead.


 12.6131, 0.4168,
0.2070


 12.6131, 0.4168,
0.2070


208.4230, 0.3576,
0.2739

 7.1627, 0.4343,
0.1885


 30.6069, 0.3933,
0.2327


 3.5640, 0.4586,
0.1639


 43.9191, 0.3851,
0.2419

 1.4328, 0.4941,
0.1301

 60.6207, 0.3784,
0.2496

 0.2407, 0.5673,
0.0536

 81.0960, 0.3729,
0.2560

 0.0000, 0.7172,
0.0000

 105.7295, 0.3682,
0.2615

 0.0000, 0.0000,
0.0000

 134.9056, 0.3641,

0.2662

169.0086, 0.3606,
0.2703

■ 12.6131, 0.4168,
0.2070

■ 12.6131, 0.4168,
0.2070

■ 12.6099, 0.4169,
0.2070

■ 13.2444, 0.4041,
0.2055

■ 14.3410, 0.3912,
0.2083

■ 16.0668, 0.3782,
0.2158

■ 18.5048, 0.3657,
0.2274

■ 21.7255, 0.3540,
0.2421

■ 25.7905, 0.3434,
0.2588

■ 30.7556, 0.3340,
0.2765

■ 36.6716, 0.3257,
0.2945

■ 43.5855, 0.3187,
0.3122

Harmonies

Analogous

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



12.6131, 0.2593, 0.1544



12.6131, 0.4168, 0.2070



12.6131, 0.5614, 0.2794

Triad

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



12.6131, 0.4168, 0.2070



12.6131, 0.4250, 0.5698



12.6131, 0.0893, 0.1881

Complementary

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



12.6131, 0.4168, 0.2070



37.1280, 0.2885, 0.5585

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.



12.6131, 0.1091, 0.3121



12.6131, 0.4168, 0.2070



12.6131, 0.2952, 0.6276

Square

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



12.6131, 0.4168, 0.2070



12.6131, 0.5391, 0.4573



12.6131, 0.1800, 0.5167



12.6131, 0.1046, 0.1388

Rectangle

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



12.6131, 0.4168, 0.2070



12.6131, 0.6001, 0.3313



12.6131, 0.1800, 0.5167



12.6131, 0.0914, 0.2190

Sweetspot

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



12.6138, 0.4168, 0.2070



55.1996, 0.3344, 0.2755



4.5923, 0.1701, 0.0711



11.2412, 0.3384, 0.2679



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.



12.6138, 0.4168, 0.2070



22.8085, 0.4188, 0.2081



11.0887, 0.6077, 0.3122



9.6453, 0.3183, 0.3132



8.4008, 0.4153, 0.2061



0.3402, 0.3876, 0.1909

Inverse Universe

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



12.6138, 0.4168, 0.2070



22.8085, 0.4188, 0.2081



39.0887, 0.2429, 0.3942



9.6453, 0.3183, 0.3132



8.4008, 0.4153, 0.2061



0.3402, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 12.6131, 0.4168, 0.2070 looks on a white background.

Color Contrast Check

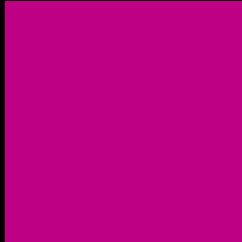
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6131, 0.4168, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

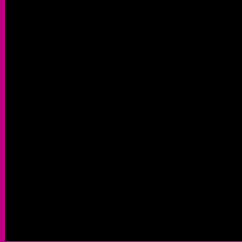
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6131, 0.4168, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 12.6131, 0.4168, 0.2070.



This preview shows how white text looks on a background with the Yxy color 12.6131, 0.4168, 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

12.6131, 0.4168, 0.2070

Protanopia

13.3953, 0.1947, 0.1719

Deuteranopia

13.3111, 0.2848, 0.2808



Tritanopia

13.0366, 0.5504, 0.3276

Trichromacy



Original Color

12.6131, 0.4168, 0.2070



Protanomaly

9.3854, 0.2361, 0.1510



Deuteranomaly

10.1597, 0.3297, 0.2193



Tritanomaly

12.2617, 0.5129, 0.2788

Monochromacy



Original Color

12.6131, 0.4168, 0.2070



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.4070, 0.3625, 0.2307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6131, 0.4168, 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(190, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 132)  
}
```

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(190, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 132) }
```

Border

The CSS property to change the border of an element to Yxy 12.6131, 0.4168, 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(190, 0, 132) }
```

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

```
.border{ border-color:rgb(190, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(190, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6131, 0.4168, 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(190, 0, 132) }
```

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

```
.background{ background-color: rgb(190, 0,  
132) }
```

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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