

Converting Colors

$Yxy(13.0405, 0.3659, 0.1843)$

Have a look what the booklet for
Yxy(13.0405, 0.3659, 0.1843)
contains.

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Color

Yxy(13.0238, 0.3662, 0.1845)

Conversions

Conversions Part 1

Format	Color
Hex	B8149A
RGB	184, 20, 154
RGB Percent	72%, 8%, 60%
CMY	0.2784, 0.9215, 0.3961
CMYK	0.00, 0.89, 0.16, 0.28
HSL	311°, 80%, 40%
HSV	311°, 89%, 72%
XYZ	25.8499, 13.0238, 31.7160
YIQ	84.3120, 54.7300, 76.4420

Conversions

Conversions Part 2

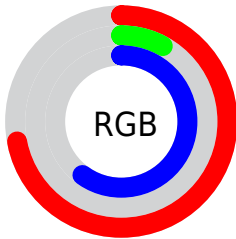
Format	Color
RYB	184, 20, 154
Decimal	12063898
CIELab	42.80, 70.51, -31.20
CIELCh	43, 77.100, 336.130
Yxy	13.0238, 0.3662, 0.1845
Android (android.graphics.Color)	4290253978 (0xFFB8149A)
YUV	84.3120, 34.3562, 87.4264
Hunter-Lab	36.0885, 64.7035, -26.8444

Details

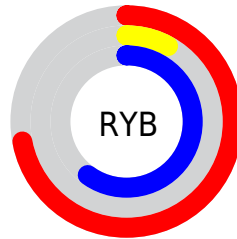
The Yxy color **13.0238, 0.3662, 0.1845** is a dark color, and the websafe version is hex **CC0099**. A complement of this color would be **34.6630, 0.2931, 0.5642**, and the grayscale version is **8.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4908, 0.3563, 0.2131**, and **5.3949, 0.3739, 0.1833** is the 20% darker color. If you saturate the color by 10%, you get **12.4480, 0.3728, 0.1831**, and if you desaturate by 10%, it is **14.0504, 0.3593, 0.1898**.

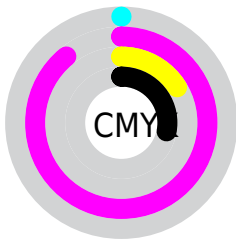
Distribution



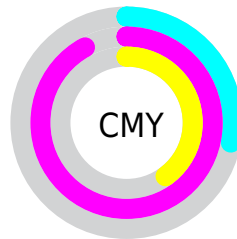
- Red (72%)
- Green (8%)
- Blue (60%)



- Red (72%)
- Yellow (8%)
- Blue (60%)



- Cyan (0%)
- Magenta (89%)
- Yellow (16%)
- Black (28%)





- Cyan (28%)
- Magenta (92%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0238, 0.3662, 0.1845 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 13.0238, 0.3662, 0.1845 by changing the saturation by 10% instead.


 13.0238, 0.3662,
0.1845


 13.0238, 0.3662,
0.1845


211.0701, 0.3388,
0.2607


 7.4449, 0.3729,
0.1648


 31.3465, 0.3563,
0.2128


 3.7419, 0.3812,
0.1396


 44.8592, 0.3525,
0.2233


 1.5302, 0.3912,
0.1068

 61.7852, 0.3493,
0.2321

 0.3099, 0.4096,
0.0480

 82.5091, 0.3466,
0.2396

 0.0000, 0.4167,
0.0000

 107.4151, 0.3443,
0.2460

 0.0000, 0.0000,
0.0000

 136.8877, 0.3422,

0.2515

171.3112, 0.3404,
0.2564

■ 13.0238, 0.3662,
0.1845

■ 13.0238, 0.3662,
0.1845

■ 12.4480, 0.3728,
0.1831

■ 14.0504, 0.3593,
0.1898

■ 12.4034, 0.3734,
0.1831

■ 15.6625, 0.3522,
0.1997

■ 17.9362, 0.3452,
0.2134

■ 20.9355, 0.3384,
0.2303

■ 24.7169, 0.3320,
0.2494

■ 29.3314, 0.3262,
0.2698

■ 34.8255, 0.3210,
0.2905

■ 41.2423, 0.3164,
0.3110

■ 48.6222, 0.3124,
0.3307

Harmonies

Analogous

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



13.0238, 0.2184, 0.1401



13.0238, 0.3662, 0.1845



13.0238, 0.5324, 0.2535

Triad

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



13.0238, 0.3662, 0.1845



13.0238, 0.4626, 0.5374



13.0238, 0.0865, 0.2120

Complementary

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



13.0238, 0.3662, 0.1845



34.6630, 0.2931, 0.5642

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.



13.0238, 0.1195, 0.3705



13.0238, 0.3662, 0.1845



13.0238, 0.3310, 0.6301

Square

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



13.0238, 0.3662, 0.1845



13.0238, 0.5695, 0.4230



13.0238, 0.2080, 0.5819



13.0238, 0.0922, 0.1439

Rectangle

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



13.0238, 0.3662, 0.1845



13.0238, 0.5977, 0.3047



13.0238, 0.2080, 0.5819



13.0238, 0.0923, 0.2528

Sweetspot

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



13.0245, 0.3662, 0.1845



54.7186, 0.3253, 0.2732



4.5744, 0.1672, 0.0758



11.1299, 0.3271, 0.2662



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.0245, 0.3662, 0.1845



22.4500, 0.3744, 0.1836



11.1955, 0.5305, 0.2791



9.1338, 0.3165, 0.3105



8.5573, 0.3726, 0.1826



0.3091, 0.3571, 0.1741

Inverse Universe

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



13.0245, 0.3662, 0.1845



22.4500, 0.3744, 0.1836



36.0265, 0.2545, 0.4281



9.1338, 0.3165, 0.3105



8.5573, 0.3726, 0.1826



0.3091, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 13.0238, 0.3662, 0.1845 looks on a white background.

Color Contrast Check

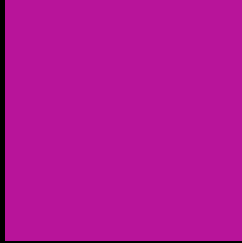
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0238, 0.3662, 0.1845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

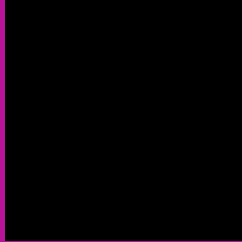
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0238, 0.3662, 0.1845

Background



This preview shows how black text looks on a background with the Yxy color 13.0238, 0.3662, 0.1845.



This preview shows how white text looks on a background with the Yxy color 13.0238, 0.3662, 0.1845.

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

13.0238, 0.3662, 0.1845

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.3779, 0.2458, 0.2401



Tritanopia

13.1785, 0.5109, 0.3258

Trichromacy



Original Color

13.0238, 0.3662, 0.1845



Protanomaly

9.2913, 0.1894, 0.1275



Deuteranomaly

10.9104, 0.2807, 0.1952



Tritanomaly

12.4986, 0.4628, 0.2652

Monochromacy



Original Color

13.0238, 0.3662, 0.1845



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.4347, 0.3376, 0.2339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0238, 0.3662, 0.1845 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(184, 20, 154)` looks like.

```
.text, #text, p{  
  color:rgb(184, 20, 154)  
}
```

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(184, 20, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 20, 154) }
```

Border

The CSS property to change the border of an element to Yxy 13.0238, 0.3662, 0.1845 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(184, 20, 154) }
```

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

```
.border{ border-color:rgb(184, 20, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 20, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 20, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 20, 154);  
box-shadow:4px 4px 4px 4px rgb(184, 20,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0238, 0.3662, 0.1845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 20, 154) }
```

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

```
.background{ background-color: rgb(184, 20,  
154) }
```

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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