

Converting Colors

$Yxy(13.1241, 0.3248, 0.1585)$

Have a look what the booklet for
Yxy(13.1241, 0.3248, 0.1585)
contains.

Yxy(13.1170, 0.3250, 0.1586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.1170, 0.3250, 0.1586)

Conversions

Conversions Part 1

Format	Color
Hex	B40BB1
RGB	180, 11, 177
RGB Percent	71%, 4%, 69%
CMY	0.2941, 0.9569, 0.3059
CMYK	0.00, 0.94, 0.02, 0.29
HSL	301°, 88%, 37%
HSV	301°, 94%, 71%
XYZ	26.8791, 13.1170, 42.7088
YIQ	80.4550, 47.4380, 87.4540

Conversions

Conversions Part 2

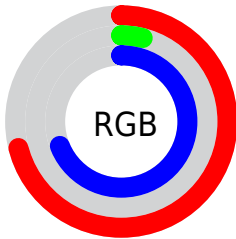
Format	Color
R_{YB}	180, 11, 177
Decimal	11799473
CIE _{Lab}	42.94, 74.15, -44.78
CIE _{LCh}	43, 86.620, 328.868
Yxy	13.1170, 0.3250, 0.1586
Android (android.graphics.Color)	4289989553 (0xFFB40BB1)
YUV	80.4550, 47.5967, 87.3010
Hunter-Lab	36.2174, 69.0951, -44.5647

Details

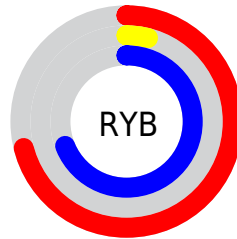
The Yxy color **13.1170, 0.3250, 0.1586** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **32.7490, 0.2999, 0.5938**, and the grayscale version is **8.0123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5532, 0.3264, 0.1900**, and **5.5928, 0.3170, 0.1520** is the 20% darker color. If you saturate the color by 10%, you get **12.8709, 0.3254, 0.1566**, and if you desaturate by 10%, it is **13.7694, 0.3242, 0.1640**.

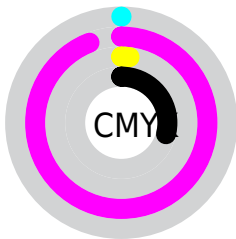
Distribution



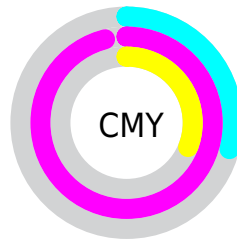
- Red (71%)
- Green (4%)
- Blue (69%)



- Red (71%)
- Yellow (4%)
- Blue (69%)



- Cyan (0%)
- Magenta (94%)
- Yellow (2%)
- Black (29%)





- Cyan (29%)
- Magenta (96%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.1170, 0.3250, 0.1586 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 13.1170, 0.3250, 0.1586 by changing the saturation by 10% instead.


 13.1170, 0.3250,
0.1586


 13.1170, 0.3250,
0.1586


211.6662, 0.3231,
0.2449


 7.5092, 0.3235,
0.1379


 31.5138, 0.3256,
0.1896


 3.7825, 0.3203,
0.1124


 45.0716, 0.3254,
0.2014


 1.5527, 0.3134,
0.0814


 62.0481, 0.3251,
0.2115

 0.3254, 0.3019,
0.0342

 82.8278, 0.3247,
0.2201

 0.0000, 0.2681,
0.0000

 107.7951, 0.3243,
0.2275

 0.0000, 0.0135,
0.0000

 137.3343, 0.3239,

 0.0000, 0.0000,

0.2341

0.0000

171.8299, 0.3235,
0.2398

■ 13.1170, 0.3250,
0.1586

■ 13.1170, 0.3250,
0.1586

■ 12.8709, 0.3254,
0.1566

■ 13.7694, 0.3242,
0.1640

■ 14.9362, 0.3233,
0.1734

■ 16.6962, 0.3221,
0.1871

■ 19.1146, 0.3207,
0.2045

■ 22.2480, 0.3193,
0.2250

■ 26.1470, 0.3178,
0.2476

■ 30.8574, 0.3162,
0.2716

■ 36.4216, 0.3147,
0.2959

■ 42.8790, 0.3133,
0.3199

Harmonies

Analogous

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



13.1170, 0.1809, 0.1205



13.1170, 0.3250, 0.1586



13.1170, 0.5165, 0.2254

Triad

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



13.1170, 0.3250, 0.1586



13.1170, 0.4923, 0.5077



13.1170, 0.0747, 0.2278

Complementary

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



13.1170, 0.3250, 0.1586



32.7490, 0.2999, 0.5938

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.



13.1170, 0.1180, 0.4335



13.1170, 0.3250, 0.1586



13.1170, 0.3565, 0.6435

Square

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



13.1170, 0.3250, 0.1586



13.1170, 0.6074, 0.3926



13.1170, 0.2209, 0.6544



13.1170, 0.0741, 0.1396

Rectangle

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



13.1170, 0.3250, 0.1586



13.1170, 0.6087, 0.2768



13.1170, 0.2209, 0.6544



13.1170, 0.0831, 0.2812

Sweetspot

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



13.1176, 0.3250, 0.1586



51.8451, 0.3169, 0.2605



3.6264, 0.1535, 0.0652



10.4439, 0.3176, 0.2504



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.1176, 0.3250, 0.1586



23.3310, 0.3255, 0.1567



10.7280, 0.4875, 0.2502



8.6441, 0.3140, 0.3070



8.9832, 0.3253, 0.1566



0.2835, 0.3240, 0.1559

Inverse Universe

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



13.1176, 0.3250, 0.1586



23.3310, 0.3255, 0.1567



33.6051, 0.2691, 0.4841



8.6441, 0.3140, 0.3070



8.9832, 0.3253, 0.1566



0.2835, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 13.1170, 0.3250, 0.1586 looks on a white background.

Color Contrast Check

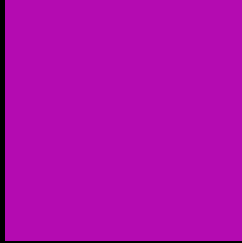
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1170, 0.3250, 0.1586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

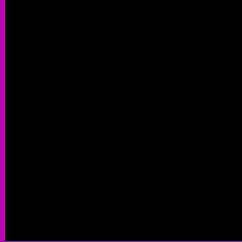
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1170, 0.3250, 0.1586

Background



This preview shows how black text looks on a background with the Yxy color 13.1170, 0.3250, 0.1586.



This preview shows how white text looks on a background with the Yxy color 13.1170, 0.3250, 0.1586.

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

13.1170, 0.3250, 0.1586

Protanopia

13.5768, 0.1742, 0.1469

Deuteranopia

13.5775, 0.2126, 0.2074



Tritanopia

13.3233, 0.4796, 0.3224

Trichromacy



Original Color

13.1170, 0.3250, 0.1586



Protanomaly

9.2153, 0.1843, 0.1181



Deuteranomaly

10.4084, 0.2381, 0.1598



Tritanomaly

12.2507, 0.4244, 0.2446

Monochromacy



Original Color

13.1170, 0.3250, 0.1586



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

7.6832, 0.3201, 0.2109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1170, 0.3250, 0.1586 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(180, 11, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 11, 177)  
}
```

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(180, 11, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 11, 177) }
```

Border

The CSS property to change the border of an element to Yxy 13.1170, 0.3250, 0.1586 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(180, 11, 177) }
```

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

```
.border{ border-color:rgb(180, 11, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 11, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 11, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 11, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 11,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1170, 0.3250, 0.1586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 11, 177) }
```

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

```
.background{ background-color: rgb(180, 11,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor