

Converting Colors

$Y_{xy}(13.2777, 0.3237, 0.1628)$

Have a look what the booklet for
Yxy(13.2777, 0.3237, 0.1628)
contains.

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Color

Yxy(13.3440, 0.3247, 0.1636)

Conversions

Conversions Part 1

Format	Color
Hex	B21BAF
RGB	178, 27, 175
RGB Percent	70%, 11%, 69%
CMY	0.3021, 0.8937, 0.3137
CMYK	0.00, 0.85, 0.02, 0.30
HSL	301°, 74%, 40%
HSV	301°, 85%, 70%
XYZ	26.4841, 13.3440, 41.7367
YIQ	89.0210, 42.4880, 78.0400

Conversions

Conversions Part 2

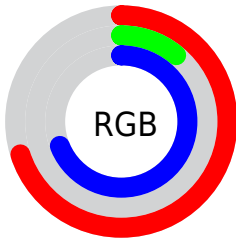
Format	Color
R _{YB}	178, 27, 175
Decimal	11672495
CIE _{Lab}	43.28, 71.07, -43.08
CIE _{LCh}	43, 83.110, 328.777
Y _{xy}	13.3440, 0.3247, 0.1636
Android (android.graphics.Color)	4289862575 (0xFFB21BAF)
Y _{UV}	89.0210, 42.3876, 78.0346
Hunter-Lab	36.5294, 65.4872, -42.1712

Details

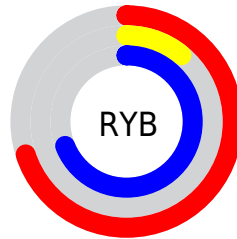
The Yxy color **13.3440, 0.3247, 0.1636** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **32.1563, 0.3001, 0.5812**, and the grayscale version is **9.9035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9585, 0.3252, 0.1945**, and **5.4701, 0.3190, 0.1531** is the 20% darker color. If you saturate the color by 10%, you get **12.7444, 0.3255, 0.1586**, and if you desaturate by 10%, it is **14.4388, 0.3237, 0.1727**.

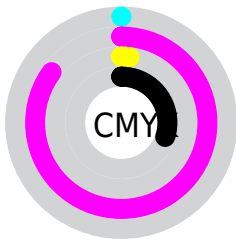
Distribution



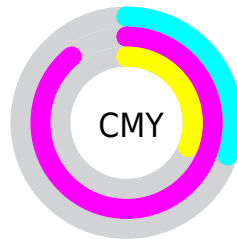
- Red (70%)
- Green (11%)
- Blue (69%)



- Red (70%)
- Yellow (11%)
- Blue (69%)



- Cyan (0%)
- Magenta (85%)
- Yellow (2%)
- Black (30%)




- Cyan (30%)
- Magenta (89%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3440, 0.3247, 0.1636 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 13.3440, 0.3247, 0.1636 by changing the saturation by 10% instead.


 13.3440, 0.3247,
0.1636


 13.3440, 0.3247,
0.1636


213.1107, 0.3227,
0.2479


 7.6659, 0.3234,
0.1431


 31.9204, 0.3252,
0.1941


 3.8819, 0.3204,
0.1178


 45.5875, 0.3250,
0.2056


 1.6077, 0.3140,
0.0865

 62.6863, 0.3246,
0.2154

 0.3628, 0.3029,
0.0394

 83.6013, 0.3243,
0.2238

 0.0000, 0.2707,
0.0000

 108.7168, 0.3238,
0.2310

 0.0000, 0.0000,
0.0000

 138.4173, 0.3234,

0.2374

173.0871, 0.3230,
0.2430

■ 13.3440, 0.3247,
0.1636

■ 13.3440, 0.3247,
0.1636

■ 12.7444, 0.3255,
0.1586

■ 14.4388, 0.3237,
0.1727

■ 12.5353, 0.3259,
0.1569

■ 16.1048, 0.3225,
0.1860

■ 18.4068, 0.3211,
0.2031

■ 21.4004, 0.3196,
0.2233

■ 25.1352, 0.3180,
0.2458

■ 29.6561, 0.3164,
0.2696

■ 35.0047, 0.3149,
0.2939

■ 41.2194, 0.3134,
0.3178

■ 48.3364, 0.3120,
0.3410

Harmonies

Analogous

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



13.3440, 0.1852, 0.1259



13.3440, 0.3247, 0.1636



13.3440, 0.5075, 0.2294

Triad

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



13.3440, 0.3247, 0.1636



13.3440, 0.4925, 0.5075



13.3440, 0.0811, 0.2336

Complementary

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



13.3440, 0.3247, 0.1636



32.1563, 0.3001, 0.5812

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.



13.3440, 0.1256, 0.4301



13.3440, 0.3247, 0.1636



13.3440, 0.3610, 0.6331

Square

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



13.3440, 0.3247, 0.1636



13.3440, 0.5983, 0.3944



13.3440, 0.2279, 0.6377



13.3440, 0.0797, 0.1459

Rectangle

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



13.3440, 0.3247, 0.1636



13.3440, 0.5966, 0.2805



13.3440, 0.2279, 0.6377



13.3440, 0.0899, 0.2855

Sweetspot

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



13.3446, 0.3247, 0.1636



53.2151, 0.3165, 0.2680



4.2716, 0.1608, 0.0767



11.1291, 0.3171, 0.2597



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.



13.3446, 0.3247, 0.1636



22.7370, 0.3260, 0.1569



11.1700, 0.4644, 0.2464



8.6438, 0.3141, 0.3070



8.9740, 0.3258, 0.1568



0.2833, 0.3243, 0.1560

Inverse Universe

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



13.3446, 0.3247, 0.1636



22.7370, 0.3260, 0.1569



33.0831, 0.2674, 0.4675



8.6438, 0.3141, 0.3070



8.9740, 0.3258, 0.1568



0.2833, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 13.3440, 0.3247, 0.1636 looks on a white background.

Color Contrast Check

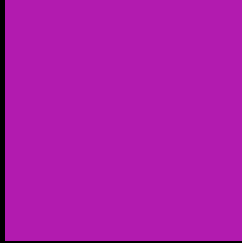
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3440, 0.3247, 0.1636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

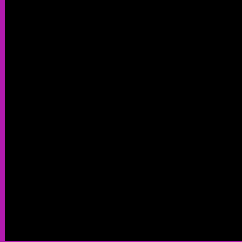
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.3440, 0.3247, 0.1636

Background



This preview shows how black text looks on a background with the Yxy color 13.3440, 0.3247, 0.1636.



This preview shows how white text looks on a background with the Yxy color 13.3440, 0.3247, 0.1636.

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

13.3440, 0.3247, 0.1636

Protanopia

13.8175, 0.1744, 0.1477

Deuteranopia

13.8462, 0.2157, 0.2114



Tritanopia

13.3860, 0.4715, 0.3222

Trichromacy



Original Color

13.3440, 0.3247, 0.1636



Protanomaly

9.9661, 0.1861, 0.1257



Deuteranomaly

11.2216, 0.2413, 0.1700



Tritanomaly

12.6785, 0.4169, 0.2495

Monochromacy



Original Color

13.3440, 0.3247, 0.1636



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

9.3174, 0.3193, 0.2250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3440, 0.3247, 0.1636 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(178, 27, 175)` looks like.

```
.text, #text, p{  
  color:rgb(178, 27, 175)  
}
```

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(178, 27, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 27, 175) }
```

Border

The CSS property to change the border of an element to Yxy 13.3440, 0.3247, 0.1636 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(178, 27, 175) }
```

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

```
.border{ border-color:rgb(178, 27, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 27, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 27, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 27, 175);  
box-shadow:4px 4px 4px 4px rgb(178, 27,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3440, 0.3247, 0.1636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 27, 175) }
```

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

```
.background{ background-color: rgb(178, 27,  
175) }
```

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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