

Converting Colors

$Yxy(13.7088, 0.3177, 0.1524)$

Have a look what the booklet for
Yxy(13.7088, 0.3177, 0.1524)
contains.

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Color

Yxy(13.7355, 0.3182, 0.1527)

Conversions

Conversions Part 1

Format	Color
Hex	B800BA
RGB	184, 0, 186
RGB Percent	72%, 0%, 73%
CMY	0.2786, 0.9990, 0.2706
CMYK	0.01, 1.00, 0.00, 0.27
HSL	299°, 100%, 37%
HSV	299°, 100%, 73%
XYZ	28.6224, 13.7355, 47.5930
YIQ	76.2200, 49.9580, 96.8540

Conversions

Conversions Part 2

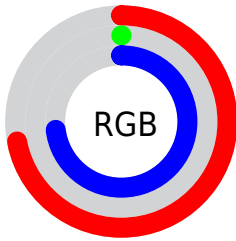
Format	Color
RYB	184, 0, 186
Decimal	12058810
CIELab	43.85, 77.16, -48.59
CIElCh	44, 91.186, 327.799
Yxy	13.7355, 0.3182, 0.1527
Android (android.graphics.Color)	4290248890 (0xFFB800BA)
YUV	76.2200, 54.1215, 94.5231
Hunter-Lab	37.0614, 72.9972, -50.1952

Details

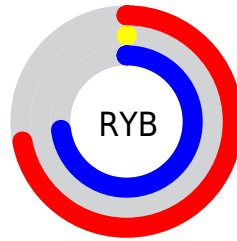
The Yxy color **13.7355, 0.3182, 0.1527** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **35.1303, 0.3002, 0.5997**, and the grayscale version is **7.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6836, 0.3205, 0.1839**, and **6.1016, 0.3099, 0.1481** is the 20% darker color. If you saturate the color by 10%, you get **13.7301, 0.3182, 0.1527**, and if you desaturate by 10%, it is **14.2166, 0.3183, 0.1566**.

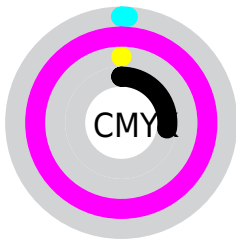
Distribution



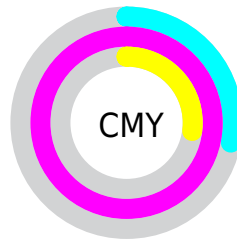
- Red (72%)
- Green (0%)
- Blue (73%)



- Red (72%)
- Yellow (0%)
- Blue (73%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)





- Cyan (28%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7355, 0.3182, 0.1527 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 13.7355, 0.3182, 0.1527 by changing the saturation by 10% instead.


 13.7355, 0.3182,
0.1527


 13.7355, 0.3182,
0.1527


215.5791, 0.3206,
0.2404


 7.9369, 0.3155,
0.1322


 32.6190, 0.3205,
0.1838


 4.0546, 0.3107,
0.1074


 46.4727, 0.3209,
0.1958


 1.7042, 0.3018,
0.0776


 63.7802, 0.3211,
0.2060

 0.4264, 0.2866,
0.0373

 84.9259, 0.3211,
0.2148

 0.0000, 0.2532,
0.0000

 110.2943, 0.3211,
0.2225

 0.0000, 0.1071,
0.0000

 140.2697, 0.3209,

 0.0000, 0.0000,

0.2292

0.0000

175.2365, 0.3208,
0.2351

■ 13.7355, 0.3182,
0.1527

■ 13.7355, 0.3182,
0.1527

■ 13.7301, 0.3182,
0.1527

■ 14.2166, 0.3183,
0.1566

■ 15.1327, 0.3183,
0.1639

■ 16.6401, 0.3181,
0.1754

■ 18.8172, 0.3177,
0.1909

■ 21.7306, 0.3171,
0.2101

■ 25.4388, 0.3164,
0.2320

■ 29.9943, 0.3155,
0.2557

■ 35.4453, 0.3146,
0.2804

■ 41.8363, 0.3137,
0.3052

Harmonies

Analogous

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



13.7355, 0.1735, 0.1155



13.7355, 0.3182, 0.1527



13.7355, 0.5166, 0.2194

Triad

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



13.7355, 0.3182, 0.1527



13.7355, 0.4974, 0.5026



13.7355, 0.0706, 0.2286

Complementary

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



13.7355, 0.3182, 0.1527



35.1303, 0.3002, 0.5997

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.



13.7355, 0.1149, 0.4466



13.7355, 0.3182, 0.1527



13.7355, 0.3564, 0.6436

Square

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



13.7355, 0.3182, 0.1527



13.7355, 0.6147, 0.3853



13.7355, 0.2199, 0.6718



13.7355, 0.0694, 0.1366

Rectangle

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



13.7355, 0.3182, 0.1527



13.7355, 0.6145, 0.2708



13.7355, 0.2199, 0.6718



13.7355, 0.0791, 0.2850

Sweetspot

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



13.7361, 0.3182, 0.1527



53.7971, 0.3156, 0.2542



3.6194, 0.1504, 0.0611



11.0433, 0.3159, 0.2440



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.



13.7361, 0.3182, 0.1527



24.8812, 0.3182, 0.1526



11.2926, 0.4886, 0.2466



9.1576, 0.3136, 0.3065



9.2402, 0.3182, 0.1527



0.3274, 0.3190, 0.1531

Inverse Universe

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



10.4490, 0.6387, 0.3293



18.9273, 0.6392, 0.3295



35.8553, 0.2740, 0.5061



9.0138, 0.3286, 0.3288



7.0268, 0.6386, 0.3292



0.2483, 0.6329, 0.3260

Previews

White Background



This preview shows how the Yxy color 13.7355, 0.3182, 0.1527 looks on a white background.

Color Contrast Check

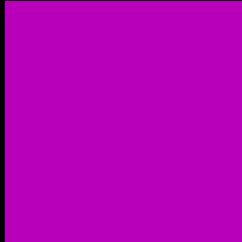
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7355, 0.3182, 0.1527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

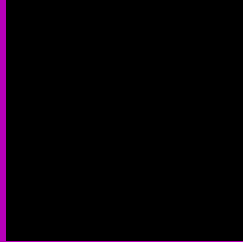
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7355, 0.3182, 0.1527

Background



This preview shows how black text looks on a background with the Yxy color 13.7355, 0.3182, 0.1527.



This preview shows how white text looks on a background with the Yxy color 13.7355, 0.3182, 0.1527.

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

13.7355, 0.3182, 0.1527

Protanopia

14.4606, 0.1741, 0.1469

Deuteranopia

14.3953, 0.2065, 0.2006



Tritanopia

14.0858, 0.4754, 0.3224

Trichromacy



Original Color

13.7355, 0.3182, 0.1527



Protanomaly

9.3817, 0.1826, 0.1125



Deuteranomaly

10.4531, 0.2293, 0.1484



Tritanomaly

12.5475, 0.4194, 0.2378

Monochromacy



Original Color

13.7355, 0.3182, 0.1527



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.0197, 0.3170, 0.1973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7355, 0.3182, 0.1527 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, 0, 186)` looks like.

```
.text, #text, p{  
  color:rgb(184, 0, 186)  
}
```

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, 0, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 0, 186) }
```

Border

The CSS property to change the border of an element to Yxy 13.7355, 0.3182, 0.1527 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, 0, 186) }
```

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

```
.border{ border-color:rgb(184, 0, 186) }
```

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

Here you see how a box with a 4 pixel rgb(184, 0, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 0, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 0, 186);  
box-shadow:4px 4px 4px 4px rgb(184, 0,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7355, 0.3182, 0.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 0, 186) }
```

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

```
.background{ background-color: rgb(184, 0,  
186) }
```

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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