

Converting Colors

$Y_{xy}(10.7833, 0.3388, 0.1640)$

Have a look what the booklet for
Yxy(10.7833, 0.3388, 0.1640)
contains.

Yxy(10.7592, 0.3379, 0.1635)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7592, 0.3379, 0.1635)

Conversions

Conversions Part 1

Format	Color
Hex	A8009D
RGB	168, 0, 157
RGB Percent	66%, 0%, 62%
CMY	0.3412, 1.0000, 0.3842
CMYK	0.00, 1.00, 0.07, 0.34
HSL	304°, 100%, 33%
HSV	304°, 100%, 66%
XYZ	22.2357, 10.7592, 32.8106
YIQ	68.1300, 49.7310, 84.4430

Conversions

Conversions Part 2

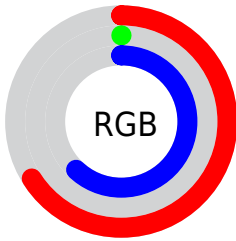
Format	Color
RYB	168, 0, 157
Decimal	11010205
CIELab	39.17, 70.28, -38.96
CIElCh	39, 80.355, 330.996
Yxy	10.7592, 0.3379, 0.1635
Android (android.graphics.Color)	4289200285 (0xFFA8009D)
YUV	68.1300, 43.8129, 87.5860
Hunter-Lab	32.8012, 63.6016, -36.3461

Details

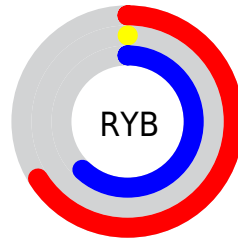
The Yxy color **10.7592, 0.3379, 0.1635** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **28.0303, 0.2987, 0.5954**, and the grayscale version is **5.7253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2709, 0.3356, 0.1962**, and **4.3994, 0.3343, 0.1615** is the 20% darker color. If you saturate the color by 10%, you get **10.7600, 0.3379, 0.1635**, and if you desaturate by 10%, it is **11.1924, 0.3358, 0.1668**.

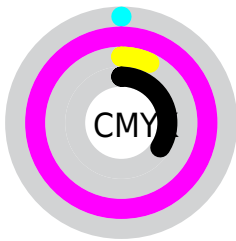
Distribution



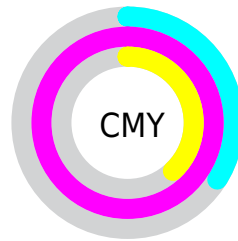
- Red (66%)
- Green (0%)
- Blue (62%)



- Red (66%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (7%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7592, 0.3379, 0.1635 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 10.7592, 0.3379, 0.1635 by changing the saturation by 10% instead.

 10.7592, 0.3379,
0.1635


 10.7592, 0.3379,
0.1635


196.0080, 0.3279,
0.2507


 5.9052, 0.3388,
0.1414


 27.2140, 0.3353,
0.1958


 2.7875, 0.3384,
0.1136


 39.5836, 0.3340,
0.2078


 1.0218, 0.3350,
0.0788


 55.2271, 0.3327,
0.2178

 0.0000, 0.3357,
0.0000

 74.5290, 0.3316,
0.2264

 0.0000, 0.2784,
0.0000

 97.8736, 0.3305,
0.2338

 0.0000, 0.0000,
0.0000

 125.6454, 0.3296,

0.2402

158.2287, 0.3287,
0.2458

■ 10.7592, 0.3379,
0.1635

■ 10.7592, 0.3379,
0.1635

■ 10.7600, 0.3379,
0.1635

■ 11.1924, 0.3358,
0.1668

■ 11.9571, 0.3334,
0.1734

■ 13.1898, 0.3309,
0.1843

■ 14.9511, 0.3281,
0.1991

■ 17.2927, 0.3253,
0.2173

■ 20.2602, 0.3225,
0.2380

■ 23.8943, 0.3198,
0.2604

■ 28.2327, 0.3172,
0.2835

■ 33.3099, 0.3149,
0.3065

Harmonies

Analogous

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



10.7592, 0.1894, 0.1232



10.7592, 0.3379, 0.1635



10.7592, 0.5271, 0.2316

Triad

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



10.7592, 0.3379, 0.1635



10.7592, 0.4829, 0.5171



10.7592, 0.0747, 0.2194

Complementary

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



10.7592, 0.3379, 0.1635



28.0303, 0.2987, 0.5954

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.



10.7592, 0.1143, 0.4143



10.7592, 0.3379, 0.1635



10.7592, 0.3488, 0.6512

Square

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



10.7592, 0.3379, 0.1635



10.7592, 0.5997, 0.4003



10.7592, 0.2135, 0.6425



10.7592, 0.0763, 0.1374

Rectangle

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



10.7592, 0.3379, 0.1635



10.7592, 0.6124, 0.2831



10.7592, 0.2135, 0.6425



10.7592, 0.0821, 0.2694

Sweetspot

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



10.7600, 0.3379, 0.1635



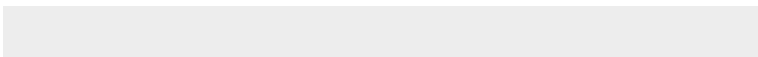
42.9626, 0.3199, 0.2591



2.8815, 0.1517, 0.0609



8.7579, 0.3210, 0.2500



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



10.7600, 0.3379, 0.1635



19.5125, 0.3382, 0.1637



8.8414, 0.5155, 0.2613



7.6580, 0.3147, 0.3082



8.1282, 0.3377, 0.1634



0.2002, 0.3316, 0.1600

Inverse Universe

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



10.7600, 0.3379, 0.1635



19.5125, 0.3382, 0.1637



28.7859, 0.2673, 0.4824



7.6580, 0.3147, 0.3082



8.1282, 0.3377, 0.1634



0.2002, 0.3316, 0.1600

Previews

White Background



This preview shows how the Yxy color 10.7592, 0.3379, 0.1635 looks on a white background.

Color Contrast Check

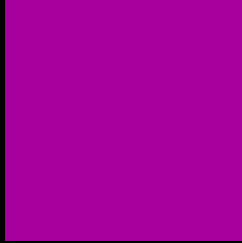
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.7592, 0.3379, 0.1635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

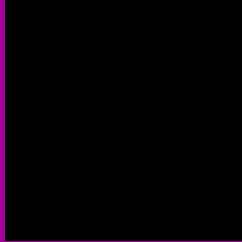
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7592, 0.3379, 0.1635

Background



This preview shows how black text looks on a background with the Yxy color 10.7592, 0.3379, 0.1635.



This preview shows how white text looks on a background with the Yxy color 10.7592, 0.3379, 0.1635.

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

10.7592, 0.3379, 0.1635

Protanopia

11.5493, 0.1747, 0.1487

Deuteranopia

11.4843, 0.2229, 0.2193



Tritanopia

11.2095, 0.4909, 0.3236

Trichromacy



Original Color

10.7592, 0.3379, 0.1635



Protanomaly

7.4562, 0.1854, 0.1168



Deuteranomaly

8.4091, 0.2505, 0.1632



Tritanomaly

10.0333, 0.4392, 0.2465

Monochromacy



Original Color

10.7592, 0.3379, 0.1635



Achromatopsia

5.7805, 0.3127, 0.3290



Achromatomaly

5.5909, 0.3270, 0.2061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7592, 0.3379, 0.1635 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(168, 0, 157)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 157)  
}
```

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(168, 0, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 157) }
```

Border

The CSS property to change the border of an element to Yxy 10.7592, 0.3379, 0.1635 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(168, 0, 157) }
```

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

```
.border{ border-color:rgb(168, 0, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 0, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 157);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7592, 0.3379, 0.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 157) }
```

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

```
.background{ background-color: rgb(168, 0,  
157) }
```

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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