

Converting Colors

$Y_{xy}(10.1474, 0.3536, 0.1722)$

Have a look what the booklet for
Yxy(10.1474, 0.3536, 0.1722)
contains.

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Color

Yxy(10.1823, 0.3536, 0.1721)

Conversions

Conversions Part 1

Format	Color
Hex	A60092
RGB	166, 0, 146
RGB Percent	65%, 0%, 57%
CMY	0.3489, 1.0000, 0.4274
CMYK	0.00, 1.00, 0.12, 0.35
HSL	307°, 100%, 33%
HSV	307°, 100%, 65%
XYZ	20.9208, 10.1823, 28.0620
YIQ	66.2780, 52.0700, 80.5980

Conversions

Conversions Part 2

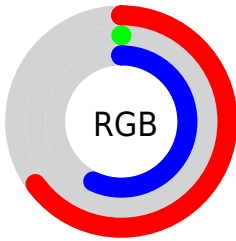
Format	Color
RYB	166, 0, 146
Decimal	10879122
CIELab	38.17, 68.41, -33.88
CIElCh	38, 76.341, 333.650
Yxy	10.1823, 0.3536, 0.1721
Android (android.graphics.Color)	4289069202 (0xFFA60092)
YUV	66.2780, 39.3029, 87.4562
Hunter-Lab	31.9097, 61.1867, -29.8039

Details

The Yxy color **10.1823, 0.3536, 0.1721** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **27.3368, 0.2973, 0.5902**, and the grayscale version is **5.4273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2123, 0.3474, 0.2047**, and **4.0774, 0.3544, 0.1726** is the 20% darker color. If you saturate the color by 10%, you get **10.1868, 0.3536, 0.1722**, and if you desaturate by 10%, it is **10.6384, 0.3495, 0.1748**.

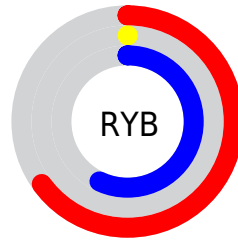
Distribution



Red (65%)

Green (0%)

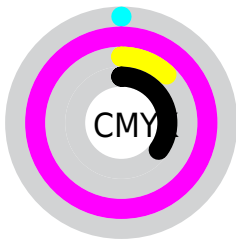
Blue (57%)



Red (65%)

Yellow (0%)

Blue (57%)

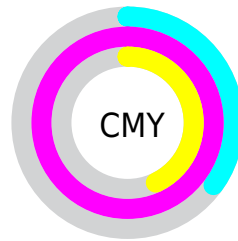


Cyan (0%)

Magenta (100%)

Yellow (12%)

Black (35%)



Cyan (35%)


Magenta (100%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1823, 0.3536, 0.1721 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 10.1823, 0.3536, 0.1721 by changing the saturation by 10% instead.


 10.1823, 0.3536,
0.1721


 10.1823, 0.3536,
0.1721


191.9683, 0.3336,
0.2566


 5.5200, 0.3578,
0.1499


 26.1378, 0.3467,
0.2039


 2.5555, 0.3623,
0.1213


 38.1998, 0.3440,
0.2155


 0.9043, 0.3659,
0.0847

 53.4972, 0.3416,
0.2253

 0.0000, 0.3795,
0.0000

 72.4143, 0.3396,
0.2335

 0.0000, 0.3107,
0.0000

 95.3356, 0.3378,
0.2405

 0.0000, 0.0000,
0.0000

 122.6454, 0.3362,

0.2466

154.7282, 0.3348,
0.2519

■ 10.1823, 0.3536,
0.1721

■ 10.1823, 0.3536,
0.1721

■ 10.1868, 0.3536,
0.1722

■ 10.6384, 0.3495,
0.1748

■ 11.4129, 0.3452,
0.1808

■ 12.6439, 0.3407,
0.1911

■ 14.3901, 0.3361,
0.2054

■ 16.7017, 0.3315,
0.2230

■ 19.6228, 0.3271,
0.2428

■ 23.1933, 0.3229,
0.2642

■ 27.4495, 0.3191,
0.2861

■ 32.4252, 0.3157,
0.3079

Harmonies

Analogous

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



10.1823, 0.2025, 0.1293



10.1823, 0.3536, 0.1721



10.1823, 0.5350, 0.2413

Triad

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



10.1823, 0.3536, 0.1721



10.1823, 0.4716, 0.5284



10.1823, 0.0779, 0.2125

Complementary

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



10.1823, 0.3536, 0.1721



27.3368, 0.2973, 0.5902

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.



10.1823, 0.1136, 0.3909



10.1823, 0.3536, 0.1721



10.1823, 0.3394, 0.6505

Square

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



10.1823, 0.3536, 0.1721



10.1823, 0.5880, 0.4120



10.1823, 0.2077, 0.6182



10.1823, 0.0818, 0.1378

Rectangle

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



10.1823, 0.3536, 0.1721



10.1823, 0.6105, 0.2927



10.1823, 0.2077, 0.6182



10.1823, 0.0843, 0.2580

Sweetspot

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



10.1868, 0.3536, 0.1722



41.6796, 0.3231, 0.2629



2.8968, 0.1546, 0.0625



8.7126, 0.3248, 0.2542



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.



10.1868, 0.3536, 0.1722



18.4578, 0.3543, 0.1725



8.4773, 0.5426, 0.2763



7.6508, 0.3155, 0.3094



7.9000, 0.3533, 0.1720



0.1964, 0.3412, 0.1653

Inverse Universe

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



10.1868, 0.3536, 0.1722



18.4578, 0.3543, 0.1725



28.2533, 0.2608, 0.4587



7.6508, 0.3155, 0.3094



7.9000, 0.3533, 0.1720



0.1964, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 10.1823, 0.3536, 0.1721 looks on a white background.

Color Contrast Check

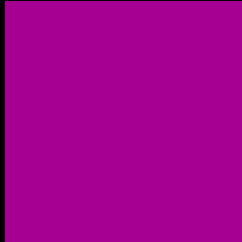
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1823, 0.3536, 0.1721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

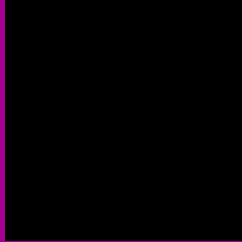
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1823, 0.3536, 0.1721

Background



This preview shows how black text looks on a background with the Yxy color 10.1823, 0.3536, 0.1721.



This preview shows how white text looks on a background with the Yxy color 10.1823, 0.3536, 0.1721.

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

10.1823, 0.3536, 0.1721

Protanopia

10.8189, 0.1744, 0.1479

Deuteranopia

10.8769, 0.2352, 0.2307



Tritanopia

10.5323, 0.5045, 0.3239

Trichromacy



Original Color

10.1823, 0.3536, 0.1721



Protanomaly

6.9040, 0.1872, 0.1189



Deuteranomaly

8.1472, 0.2673, 0.1762



Tritanomaly

9.6115, 0.4549, 0.2533

Monochromacy



Original Color

10.1823, 0.3536, 0.1721



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

5.3069, 0.3337, 0.2115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1823, 0.3536, 0.1721 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(166, 0, 146)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 146)  
}
```

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(166, 0, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 146) }
```

Border

The CSS property to change the border of an element to Yxy 10.1823, 0.3536, 0.1721 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(166, 0, 146) }
```

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

```
.border{ border-color:rgb(166, 0, 146) }
```

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

Here you see how a box with a 4 pixel rgb(166, 0, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 146);  
box-shadow:4px 4px 4px 4px rgb(166, 0,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1823, 0.3536, 0.1721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 146) }
```

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

```
.background{ background-color: rgb(166, 0,  
146) }
```

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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