

Converting Colors

$Y_{xy}(10.3556, 0.3618, 0.1766)$

Have a look what the booklet for
Yxy(10.3556, 0.3618, 0.1766)
contains.

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Color

Yxy(10.3384, 0.3603, 0.1759)

Conversions

Conversions Part 1

Format	Color
Hex	A80090
RGB	168, 0, 144
RGB Percent	66%, 0%, 56%
CMY	0.3413, 0.9992, 0.4353
CMYK	0.00, 1.00, 0.14, 0.34
HSL	309°, 100%, 33%
HSV	309°, 100%, 66%
XYZ	21.1764, 10.3384, 27.2595
YIQ	66.6480, 53.9040, 80.4000

Conversions

Conversions Part 2

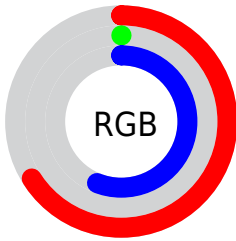
Format	Color
RYB	168, 0, 144
Decimal	11010192
CIELab	38.44, 68.45, -32.18
CIElCh	38, 75.636, 334.817
Yxy	10.3384, 0.3603, 0.1759
Android (android.graphics.Color)	4289200272 (0xFFA80090)
YUV	66.6480, 38.1345, 88.8857
Hunter-Lab	32.1534, 61.2926, -27.7585

Details

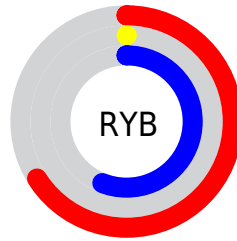
The Yxy color **10.3384, 0.3603, 0.1759** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **28.0613, 0.2965, 0.5874**, and the grayscale version is **5.5054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4427, 0.3521, 0.2074**, and **4.1698, 0.3644, 0.1781** is the 20% darker color. If you saturate the color by 10%, you get **10.3336, 0.3604, 0.1759**, and if you desaturate by 10%, it is **10.8096, 0.3554, 0.1782**.

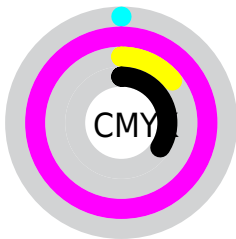
Distribution



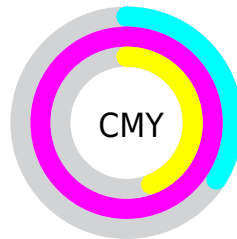
- Red (66%)
- Green (0%)
- Blue (56%)



- Red (66%)
- Yellow (0%)
- Blue (56%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3384, 0.3603, 0.1759 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 10.3384, 0.3603, 0.1759 by changing the saturation by 10% instead.


 10.3384, 0.3603,
0.1759


 10.3384, 0.3603,
0.1759


193.0705, 0.3360,
0.2586


 5.6239, 0.3660,
0.1540


 26.4301, 0.3516,
0.2071


 2.6178, 0.3726,
0.1257


 38.5760, 0.3483,
0.2185


 0.9356, 0.3796,
0.0890

 53.9680, 0.3455,
0.2280

 0.0000, 0.4014,
0.0000

 72.9902, 0.3430,
0.2360

 0.0000, 0.3467,
0.0000

 96.0272, 0.3409,
0.2429

 0.0000, 0.0000,
0.0000

 123.4633, 0.3391,

0.2488

155.6830, 0.3375,
0.2540

■ 10.3384, 0.3603,
0.1759

■ 10.3384, 0.3603,
0.1759

■ 10.3336, 0.3604,
0.1759

■ 10.8096, 0.3554,
0.1782

■ 11.6170, 0.3502,
0.1839

■ 12.8943, 0.3448,
0.1941

■ 14.7019, 0.3393,
0.2081

■ 17.0914, 0.3340,
0.2254

■ 20.1081, 0.3289,
0.2449

■ 23.7930, 0.3242,
0.2659

■ 28.1834, 0.3199,
0.2873

■ 33.3142, 0.3160,
0.3086

Harmonies

Analogous

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



10.3384, 0.2084, 0.1321



10.3384, 0.3603, 0.1759



10.3384, 0.5380, 0.2454

Triad

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



10.3384, 0.3603, 0.1759



10.3384, 0.4668, 0.5332



10.3384, 0.0793, 0.2098

Complementary

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



10.3384, 0.3603, 0.1759



28.0613, 0.2965, 0.5874

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.



10.3384, 0.1134, 0.3813



10.3384, 0.3603, 0.1759



10.3384, 0.3343, 0.6474

Square

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



10.3384, 0.3603, 0.1759



10.3384, 0.5829, 0.4171



10.3384, 0.2051, 0.6073



10.3384, 0.0843, 0.1381

Rectangle

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



10.3384, 0.3603, 0.1759



10.3384, 0.6094, 0.2969



10.3384, 0.2051, 0.6073



10.3384, 0.0853, 0.2534

Sweetspot

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



10.3389, 0.3603, 0.1759



42.7044, 0.3245, 0.2644



3.0076, 0.1556, 0.0631



8.6946, 0.3263, 0.2559



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.



10.3389, 0.3603, 0.1759



18.7354, 0.3612, 0.1763



8.6704, 0.5491, 0.2800



7.6479, 0.3158, 0.3099



7.8126, 0.3599, 0.1756



0.1950, 0.3453, 0.1676

Inverse Universe

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



10.3389, 0.3603, 0.1759



18.7354, 0.3612, 0.1763



29.0446, 0.2591, 0.4527



7.6479, 0.3158, 0.3099



7.8126, 0.3599, 0.1756



0.1950, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 10.3384, 0.3603, 0.1759 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 10.3384, 0.3603, 0.1759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

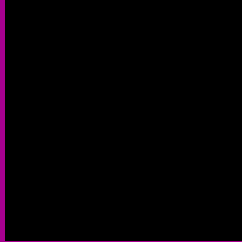
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3384, 0.3603, 0.1759

Background



This preview shows how black text looks on a background with the Yxy color 10.3384, 0.3603, 0.1759.



This preview shows how white text looks on a background with the Yxy color 10.3384, 0.3603, 0.1759.

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

10.3384, 0.3603, 0.1759

Protanopia

11.0739, 0.1744, 0.1479

Deuteranopia

10.9401, 0.2401, 0.2349



Tritanopia

10.7261, 0.5089, 0.3254

Trichromacy



Original Color

10.3384, 0.3603, 0.1759



Protanomaly

6.9743, 0.1875, 0.1186



Deuteranomaly

8.2141, 0.2729, 0.1800



Tritanomaly

9.8036, 0.4603, 0.2560

Monochromacy



Original Color

10.3384, 0.3603, 0.1759



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.4970, 0.3379, 0.2150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3384, 0.3603, 0.1759 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, 144)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 144) }
```

Border

The CSS property to change the border of an element to Yxy 10.3384, 0.3603, 0.1759 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, 144) }
```

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

```
.border{ border-color:rgb(168, 0, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 0, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 0, 144); box-shadow:4px 4px 4px 4px rgb(168, 0, 144) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3384, 0.3603, 0.1759 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, 144) }
```

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

```
.background{ background-color: rgb(168, 0,  
144) }
```

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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