

Converting Colors

$Y_{xy}(10.4577, 0.3560, 0.1796)$

Have a look what the booklet for
Yxy(10.4577, 0.3560, 0.1796)
contains.

Yxy(10.4482, 0.3566, 0.1799)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4482, 0.3566, 0.1799)

Conversions

Conversions Part 1

Format	Color
Hex	A5138F
RGB	165, 19, 143
RGB Percent	65%, 7%, 56%
CMY	0.3529, 0.9256, 0.4391
CMYK	0.00, 0.89, 0.13, 0.35
HSL	309°, 79%, 36%
HSV	309°, 89%, 65%
XYZ	20.7106, 10.4482, 26.9191
YIQ	76.7900, 47.2120, 69.5160

Conversions

Conversions Part 2

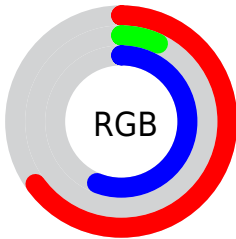
Format	Color
R_{YB}	165, 19, 143
Decimal	10818447
CIE _{Lab}	38.64, 65.38, -31.33
CIE _{LCh}	39, 72.498, 334.399
Yxy	10.4482, 0.3566, 0.1799
Android (android.graphics.Color)	4289008527 (0xFFA5138F)
YUV	76.7900, 32.6415, 77.3602
Hunter-Lab	32.3237, 57.8028, -26.7500

Details

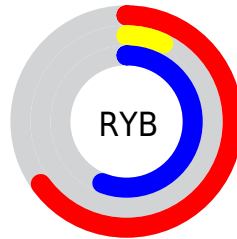
The Yxy color **10.4482, 0.3566, 0.1799** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **27.2121, 0.2946, 0.5676**, and the grayscale version is **7.3090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5356, 0.3483, 0.2105**, and **4.0239, 0.3624, 0.1770** is the 20% darker color. If you saturate the color by 10%, you get **9.9632, 0.3619, 0.1774**, and if you desaturate by 10%, it is **11.2899, 0.3511, 0.1862**.

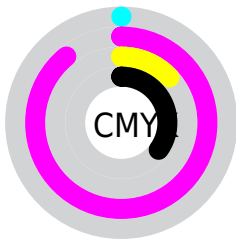
Distribution



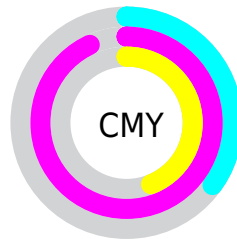
- Red (65%)
- Green (7%)
- Blue (56%)



- Red (65%)
- Yellow (7%)
- Blue (56%)



- Cyan (0%)
- Magenta (89%)
- Yellow (13%)
- Black (35%)





- Cyan (35%)
- Magenta (93%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4482, 0.3566, 0.1799 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 10.4482, 0.3566, 0.1799 by changing the saturation by 10% instead.


 10.4482, 0.3566,
0.1799


 10.4482, 0.3566,
0.1799


193.8417, 0.3343,
0.2608


 5.6971, 0.3618,
0.1582


 26.6352, 0.3486,
0.2106


 2.6618, 0.3677,
0.1301


 38.8399, 0.3456,
0.2217


 0.9578, 0.3739,
0.0933

 54.2979, 0.3430,
0.2310

 0.0000, 0.3956,
0.0000

 73.3936, 0.3407,
0.2388

 0.0000, 0.3279,
0.0000

 96.5115, 0.3388,
0.2455

 0.0000, 0.0000,
0.0000

 124.0359, 0.3371,

0.2513

156.3511, 0.3356,
0.2563

■ 10.4482, 0.3566,
0.1799

■ 10.4482, 0.3566,
0.1799

■ 9.9632, 0.3619,
0.1774

■ 11.2899, 0.3511,
0.1862

■ 9.8988, 0.3626,
0.1771

■ 12.5911, 0.3454,
0.1969

■ 14.4086, 0.3397,
0.2113

■ 16.7908, 0.3341,
0.2289

■ 19.7804, 0.3288,
0.2485

■ 23.4162, 0.3239,
0.2694

■ 27.7334, 0.3196,
0.2907

■ 32.7651, 0.3157,
0.3117

■ 38.5418, 0.3122,
0.3320

Harmonies

Analogous

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



10.4482, 0.2107, 0.1370



10.4482, 0.3566, 0.1799



10.4482, 0.5266, 0.2482

Triad

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



10.4482, 0.3566, 0.1799



10.4482, 0.4694, 0.5306



10.4482, 0.0856, 0.2169

Complementary

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



10.4482, 0.3566, 0.1799



27.2121, 0.2946, 0.5676

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.



10.4482, 0.1212, 0.3832



10.4482, 0.3566, 0.1799



10.4482, 0.3388, 0.6324

Square

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



10.4482, 0.3566, 0.1799



10.4482, 0.5783, 0.4183



10.4482, 0.2130, 0.5945



10.4482, 0.0896, 0.1447

Rectangle

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



10.4482, 0.3566, 0.1799



10.4482, 0.5972, 0.2994



10.4482, 0.2130, 0.5945



10.4482, 0.0921, 0.2600

Sweetspot

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



10.4487, 0.3566, 0.1799



42.6578, 0.3235, 0.2715



3.6502, 0.1671, 0.0769



8.8326, 0.3250, 0.2647



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



10.4487, 0.3566, 0.1799



17.7014, 0.3635, 0.1776



8.9082, 0.5203, 0.2749



7.1838, 0.3159, 0.3101



7.4933, 0.3622, 0.1769



0.1621, 0.3451, 0.1675

Inverse Universe

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



10.4487, 0.3566, 0.1799



17.7014, 0.3635, 0.1776



28.2648, 0.2559, 0.4316



7.1838, 0.3159, 0.3101



7.4933, 0.3622, 0.1769



0.1621, 0.3451, 0.1675

Previews

White Background



This preview shows how the Yxy color 10.4482, 0.3566, 0.1799 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 10.4482, 0.3566, 0.1799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

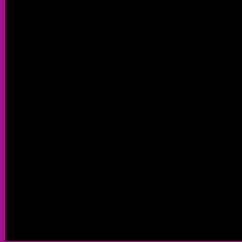
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.4482, 0.3566, 0.1799

Background



This preview shows how black text looks on a background with the Yxy color 10.4482, 0.3566, 0.1799.



This preview shows how white text looks on a background with the Yxy color 10.4482, 0.3566, 0.1799.

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

10.4482, 0.3566, 0.1799

Protanopia

10.8625, 0.1742, 0.1471

Deuteranopia

10.9120, 0.2410, 0.2367



Tritanopia

10.6430, 0.5015, 0.3238

Trichromacy



Original Color

10.4482, 0.3566, 0.1799



Protanomaly

7.6446, 0.1895, 0.1289



Deuteranomaly

8.7749, 0.2733, 0.1905



Tritanomaly

10.1338, 0.4536, 0.2629

Monochromacy



Original Color

10.4482, 0.3566, 0.1799



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.0191, 0.3332, 0.2322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4482, 0.3566, 0.1799 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(165, 19, 143)` looks like.

```
.text, #text, p{  
    color:rgb(165, 19, 143)  
}
```

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(165, 19, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 19, 143) }
```

Border

The CSS property to change the border of an element to Yxy 10.4482, 0.3566, 0.1799 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(165, 19, 143) }
```

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

```
.border{ border-color:rgb(165, 19, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 19, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 19, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 19, 143);  
box-shadow:4px 4px 4px 4px rgb(165, 19,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4482, 0.3566, 0.1799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 19, 143) }
```

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

```
.background{ background-color: rgb(165, 19,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor