

Converting Colors

$Y_{xy}(10.2411, 0.4010, 0.1917)$

Have a look what the booklet for
Yxy(10.2411, 0.4010, 0.1917)
contains.

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Color

Yxy(10.6989, 0.4005, 0.1980)

Conversions

Conversions Part 1

Format	Color
Hex	AF0081
RGB	175, 0, 129
RGB Percent	69%, 0%, 51%
CMY	0.3137, 0.9998, 0.4941
CMYK	0.00, 1.00, 0.26, 0.31
HSL	316°, 100%, 34%
HSV	316°, 100%, 69%
XYZ	21.6410, 10.6989, 21.6950
YIQ	67.0310, 62.8910, 77.2190

Conversions

Conversions Part 2

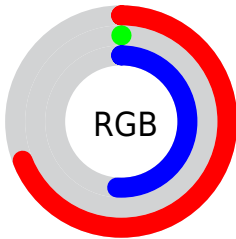
Format	Color
R_{YB}	175, 0, 129
Decimal	11468929
CIE _{Lab}	39.07, 67.95, -21.87
CIE _{LCh}	39, 71.383, 342.160
Yxy	10.6989, 0.4005, 0.1980
Android (android.graphics.Color)	4289659009 (0xFFAF0081)
YUV	67.0310, 30.5507, 94.6888
Hunter-Lab	32.7092, 60.8576, -16.4288

Details

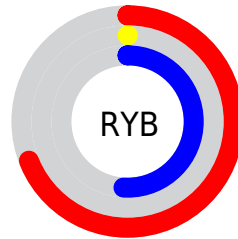
The Yxy color **10.6989, 0.4005, 0.1980** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **30.8558, 0.2909, 0.5673**, and the grayscale version is **5.5658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.2261, 0.3813, 0.2267**, and **4.3464, 0.4192, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **10.6981, 0.4005, 0.1980**, and if you desaturate by 10%, it is **11.2416, 0.3901, 0.1979**.

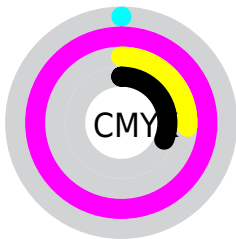
Distribution



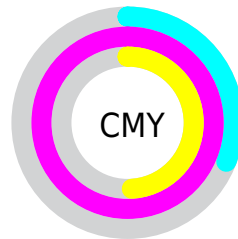
- Red (69%)
- Green (0%)
- Blue (51%)



- Red (69%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (31%)





- Cyan (31%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6989, 0.4005, 0.1980 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 10.6989, 0.4005, 0.1980 by changing the saturation by 10% instead.


 10.6989, 0.4005,
0.1980


 10.6989, 0.4005,
0.1980


195.5900, 0.3505,
0.2706


 5.8647, 0.4153,
0.1777


 27.1020, 0.3807,
0.2261


 2.7630, 0.4357,
0.1505


 39.4398, 0.3738,
0.2361


 1.0093, 0.4654,
0.1133

 55.0475, 0.3681,
0.2444

 0.0000, 0.5449,
0.0000

 74.3097, 0.3634,
0.2514

 0.0000, 0.7065,
0.0000

 97.6106, 0.3594,
0.2573

 0.0000, 0.0000,
0.0000

 125.3347, 0.3560,

0.2623

157.8664, 0.3531,
0.2667

■ 10.6989, 0.4005,
0.1980

■ 10.6989, 0.4005,
0.1980

■ 10.6981, 0.4005,
0.1980

■ 11.2416, 0.3901,
0.1979

■ 12.1590, 0.3794,
0.2016

■ 13.5956, 0.3687,
0.2100

■ 15.6186, 0.3583,
0.2223

■ 18.2854, 0.3484,
0.2378

■ 21.6463, 0.3394,
0.2552

■ 25.7466, 0.3313,
0.2738

■ 30.6280, 0.3242,
0.2926

■ 36.3288, 0.3180,
0.3112

Harmonies

Analogous

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



10.6989, 0.2440, 0.1479



10.6989, 0.4005, 0.1980



10.6989, 0.5553, 0.2697

Triad

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



10.6989, 0.4005, 0.1980



10.6989, 0.4385, 0.5615



10.6989, 0.0865, 0.1940

Complementary

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



10.6989, 0.4005, 0.1980



30.8558, 0.2909, 0.5673

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.



10.6989, 0.1105, 0.3304



10.6989, 0.4005, 0.1980



10.6989, 0.3063, 0.6338

Square

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



10.6989, 0.4005, 0.1980



10.6989, 0.5532, 0.4468



10.6989, 0.1876, 0.5429



10.6989, 0.0986, 0.1387

Rectangle

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



10.6989, 0.4005, 0.1980



10.6989, 0.6031, 0.3214



10.6989, 0.1876, 0.5429



10.6989, 0.0898, 0.2282

Sweetspot

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



10.6995, 0.4005, 0.1980



45.6787, 0.3317, 0.2727



3.6266, 0.1648, 0.0682



9.4483, 0.3350, 0.2650



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



10.6995, 0.4005, 0.1980



19.1235, 0.4022, 0.1989



9.2946, 0.5920, 0.3035



8.1116, 0.3176, 0.3124



7.6723, 0.3994, 0.1974



0.2218, 0.3710, 0.1817

Inverse Universe

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



10.6995, 0.4005, 0.1980



19.1235, 0.4022, 0.1989



32.3039, 0.2476, 0.4114



8.1116, 0.3176, 0.3124



7.6723, 0.3994, 0.1974



0.2218, 0.3710, 0.1817

Previews

White Background



This preview shows how the Yxy color 10.6989, 0.4005, 0.1980 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 10.6989, 0.4005, 0.1980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

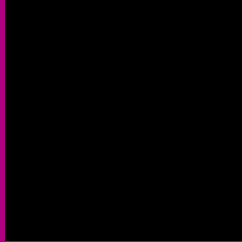
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6989, 0.4005, 0.1980

Background



This preview shows how black text looks on a background with the Yxy color 10.6989, 0.4005, 0.1980.



This preview shows how white text looks on a background with the Yxy color 10.6989, 0.4005, 0.1980.

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

10.6989, 0.4005, 0.1980

Protanopia

11.5864, 0.1864, 0.1612

Deuteranopia

11.3828, 0.2716, 0.2669



Tritanopia

11.0597, 0.5382, 0.3273

Trichromacy



Original Color

10.6989, 0.4005, 0.1980



Protanomaly

7.9819, 0.2210, 0.1414



Deuteranomaly

8.6481, 0.3132, 0.2070



Tritanomaly

10.2850, 0.4965, 0.2717

Monochromacy



Original Color

10.6989, 0.4005, 0.1980



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5301, 0.3537, 0.2260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6989, 0.4005, 0.1980 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(175, 0, 129)` looks like.

```
.text, #text, p{  
    color:rgb(175, 0, 129)  
}
```

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(175, 0, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 129) }
```

Border

The CSS property to change the border of an element to Yxy 10.6989, 0.4005, 0.1980 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(175, 0, 129) }
```

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

```
.border{ border-color:rgb(175, 0, 129) }
```

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

Here you see how a box with a 4 pixel rgb(175, 0, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 129);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6989, 0.4005, 0.1980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 0, 129) }
```

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

```
.background{ background-color: rgb(175, 0,  
129) }
```

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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