

Converting Colors

$Y_{xy}(10.0881, 0.3993, 0.1970)$

Have a look what the booklet for
Yxy(10.0881, 0.3993, 0.1970)
contains.

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Color

Yxy(10.0524, 0.3989, 0.1971)

Conversions

Conversions Part 1

Format	Color
Hex	AA007E
RGB	170, 0, 126
RGB Percent	67%, 0%, 49%
CMY	0.3333, 1.0000, 0.5059
CMYK	0.00, 1.00, 0.26, 0.33
HSL	316°, 100%, 33%
HSV	316°, 100%, 67%
XYZ	20.3445, 10.0524, 20.6046
YIQ	65.1940, 60.8740, 75.2260

Conversions

Conversions Part 2

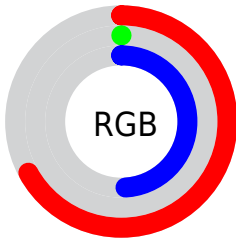
Format	Color
R_{YB}	170, 0, 126
Decimal	11141246
CIE _{Lab}	37.94, 66.61, -21.83
CIE _{LCh}	38, 70.095, 341.854
Yxy	10.0524, 0.3989, 0.1971
Android (android.graphics.Color)	4289331326 (0xFFAA007E)
YUV	65.1940, 29.9774, 91.9149
Hunter-Lab	31.7055, 59.0536, -16.3372

Details

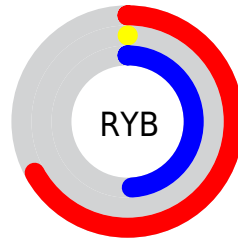
The Yxy color **10.0524, 0.3989, 0.1971** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **28.9347, 0.2911, 0.5679**, and the grayscale version is **5.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7975, 0.3789, 0.2252**, and **4.0465, 0.4165, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **10.0532, 0.3989, 0.1971**, and if you desaturate by 10%, it is **10.5703, 0.3887, 0.1972**.

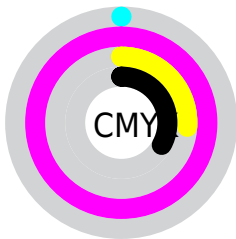
Distribution



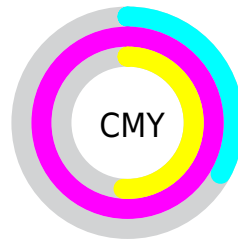
- Red (67%)
- Green (0%)
- Blue (49%)



- Red (67%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0524, 0.3989, 0.1971 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 10.0524, 0.3989, 0.1971 by changing the saturation by 10% instead.


 10.0524, 0.3989,
0.1971


 10.0524, 0.3989,
0.1971


191.0456, 0.3495,
0.2708


 5.4337, 0.4137,
0.1762


 25.8940, 0.3792,
0.2258


 2.5039, 0.4341,
0.1482


 37.8857, 0.3724,
0.2360


 0.8786, 0.4641,
0.1096

 53.1039, 0.3668,
0.2444

 0.0000, 0.5408,
0.0000

 71.9330, 0.3622,
0.2514

 0.0000, 0.8319,
0.0000

 94.7573, 0.3582,
0.2574

 0.0000, 0.0000,
0.0000

 121.9612, 0.3549,

0.2625

153.9292, 0.3520,
0.2669

■ 10.0524, 0.3989,
0.1971

■ 10.0524, 0.3989,
0.1971

■ 10.0532, 0.3989,
0.1971

■ 10.5703, 0.3887,
0.1972

■ 11.4347, 0.3783,
0.2011

■ 12.7848, 0.3678,
0.2096

■ 14.6831, 0.3575,
0.2220

■ 17.1829, 0.3479,
0.2375

■ 20.3310, 0.3390,
0.2550

■ 24.1698, 0.3310,
0.2736

■ 28.7378, 0.3240,
0.2925

■ 34.0709, 0.3179,
0.3111

Harmonies

Analogous

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



10.0524, 0.2425, 0.1472



10.0524, 0.3989, 0.1971



10.0524, 0.5547, 0.2687

Triad

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



10.0524, 0.3989, 0.1971



10.0524, 0.4396, 0.5604



10.0524, 0.0862, 0.1946

Complementary

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



10.0524, 0.3989, 0.1971



28.9347, 0.2911, 0.5679

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.



10.0524, 0.1106, 0.3322



10.0524, 0.3989, 0.1971



10.0524, 0.3074, 0.6344

Square

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



10.0524, 0.3989, 0.1971



10.0524, 0.5544, 0.4456



10.0524, 0.1883, 0.5455



10.0524, 0.0980, 0.1387

Rectangle

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



10.0524, 0.3989, 0.1971



10.0524, 0.6035, 0.3204



10.0524, 0.1883, 0.5455



10.0524, 0.0896, 0.2291

Sweetspot

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



10.0532, 0.3989, 0.1971



43.4363, 0.3314, 0.2725



3.4055, 0.1650, 0.0683



9.0220, 0.3346, 0.2649



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



10.0532, 0.3989, 0.1971



18.2012, 0.4006, 0.1980



8.7178, 0.5916, 0.3032



7.6329, 0.3175, 0.3124



7.4039, 0.3979, 0.1965



0.1878, 0.3676, 0.1799

Inverse Universe

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



10.0532, 0.3989, 0.1971



18.2012, 0.4006, 0.1980



30.2983, 0.2476, 0.4112



7.6329, 0.3175, 0.3124



7.4039, 0.3979, 0.1965



0.1878, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 10.0524, 0.3989, 0.1971 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 10.0524, 0.3989, 0.1971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

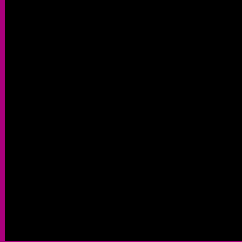
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0524, 0.3989, 0.1971

Background



This preview shows how black text looks on a background with the Yxy color 10.0524, 0.3989, 0.1971.



This preview shows how white text looks on a background with the Yxy color 10.0524, 0.3989, 0.1971.

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

10.0524, 0.3989, 0.1971

Protanopia

10.8115, 0.1856, 0.1604

Deuteranopia

10.6466, 0.2706, 0.2653



Tritanopia

10.4217, 0.5359, 0.3272

Trichromacy



Original Color

10.0524, 0.3989, 0.1971



Protanomaly

7.4428, 0.2190, 0.1400



Deuteranomaly

8.0886, 0.3114, 0.2056



Tritanomaly

9.7045, 0.4945, 0.2719

Monochromacy



Original Color

10.0524, 0.3989, 0.1971



Achromatopsia

5.2861, 0.3127, 0.3290



Achromatomaly

5.1576, 0.3548, 0.2257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0524, 0.3989, 0.1971 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(170, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 126)  
}
```

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(170, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 126) }
```

Border

The CSS property to change the border of an element to Yxy 10.0524, 0.3989, 0.1971 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(170, 0, 126) }
```

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

```
.border{ border-color:rgb(170, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0524, 0.3989, 0.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 126) }
```

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

```
.background{ background-color: rgb(170, 0,  
126) }
```

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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