

Converting Colors

$Y_{xy}(11.0585, 0.4099, 0.2032)$

Have a look what the booklet for
Yxy(11.0585, 0.4099, 0.2032)
contains.

Yxy(10.9973, 0.4093, 0.2028)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.9973, 0.4093, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	B2007F
RGB	178, 0, 127
RGB Percent	70%, 0%, 50%
CMY	0.3019, 1.0000, 0.5019
CMYK	0.00, 1.00, 0.29, 0.30
HSL	317°, 100%, 35%
HSV	317°, 100%, 70%
XYZ	22.1952, 10.9973, 21.0348
YIQ	67.7000, 65.3210, 77.2330

Conversions

Conversions Part 2

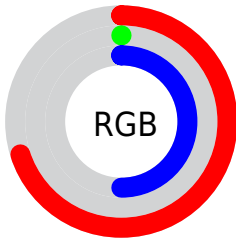
Format	Color
R_{YB}	178, 0, 127
Decimal	11665535
CIE _{Lab}	39.58, 68.35, -19.80
CIE _{LCh}	40, 71.158, 343.847
Yxy	10.9973, 0.4093, 0.2028
Android (android.graphics.Color)	4289855615 (0xFFB2007F)
YUV	67.7000, 29.2349, 96.7331
Hunter-Lab	33.1622, 61.4351, -14.3941

Details

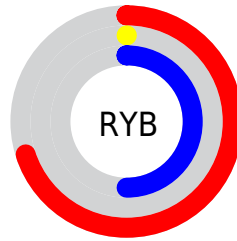
The Yxy color **10.9973, 0.4093, 0.2028** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **32.0891, 0.2895, 0.5623**, and the grayscale version is **5.6759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.6589, 0.3873, 0.2299**, and **4.5431, 0.4289, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **11.0003, 0.4093, 0.2028**, and if you desaturate by 10%, it is **11.5629, 0.3976, 0.2021**.

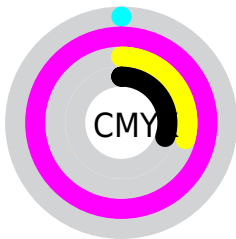
Distribution



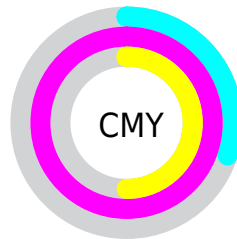
- Red (70%)
- Green (0%)
- Blue (50%)



- Red (70%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (30%)




- Cyan (30%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9973, 0.4093, 0.2028 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 10.9973, 0.4093, 0.2028 by changing the saturation by 10% instead.


 10.9973, 0.4093,
0.2028


 10.9973, 0.4093,
0.2028


197.6490, 0.3538,
0.2730


 6.0650, 0.4260,
0.1830


 27.6552, 0.3871,
0.2300


 2.8847, 0.4493,
0.1564


 40.1496, 0.3794,
0.2397

 1.0718, 0.4838,
0.1197

 55.9334, 0.3732,
0.2477

 0.0000, 0.5778,
0.0000

 75.3912, 0.3680,
0.2544

 0.0000, 0.8176,
0.0000

 98.9073, 0.3636,
0.2601

 0.0000, 0.0000,
0.0000

 126.8660, 0.3598,

0.2650

159.6518, 0.3566,
0.2692

■ 10.9973, 0.4093,
0.2028

■ 10.9973, 0.4093,
0.2028

■ 11.0003, 0.4093,
0.2028

■ 11.5629, 0.3976,
0.2021

■ 12.5179, 0.3858,
0.2054

■ 14.0136, 0.3739,
0.2133

■ 16.1205, 0.3623,
0.2252

■ 18.8983, 0.3515,
0.2402

■ 22.3998, 0.3416,
0.2573

■ 26.6722, 0.3328,
0.2753

■ 31.7589, 0.3250,
0.2937

■ 37.7000, 0.3184,
0.3117

Harmonies

Analogous

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



10.9973, 0.2521, 0.1513



10.9973, 0.4093, 0.2028



10.9973, 0.5588, 0.2749

Triad

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



10.9973, 0.4093, 0.2028



10.9973, 0.4324, 0.5676



10.9973, 0.0880, 0.1907

Complementary

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



10.9973, 0.4093, 0.2028



32.0891, 0.2895, 0.5623

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.



10.9973, 0.1097, 0.3204



10.9973, 0.4093, 0.2028



10.9973, 0.3004, 0.6308

Square

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



10.9973, 0.4093, 0.2028



10.9973, 0.5467, 0.4533



10.9973, 0.1835, 0.5289



10.9973, 0.1018, 0.1387

Rectangle

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



10.9973, 0.4093, 0.2028



10.9973, 0.6016, 0.3267



10.9973, 0.1835, 0.5289



10.9973, 0.0906, 0.2231

Sweetspot

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



11.0003, 0.4093, 0.2028



47.9170, 0.3332, 0.2744



3.9046, 0.1684, 0.0701



9.8687, 0.3368, 0.2668



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



11.0003, 0.4093, 0.2028



19.9010, 0.4111, 0.2038



9.6114, 0.6023, 0.3092



8.6044, 0.3180, 0.3129



7.8798, 0.4080, 0.2021



0.2574, 0.3787, 0.1860

Inverse Universe

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



11.0003, 0.4093, 0.2028



19.9010, 0.4111, 0.2038



33.7272, 0.2444, 0.3998



8.6044, 0.3180, 0.3129



7.8798, 0.4080, 0.2021



0.2574, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 10.9973, 0.4093, 0.2028 looks on a white background.

Color Contrast Check

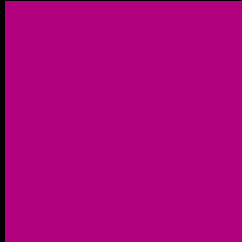
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9973, 0.4093, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

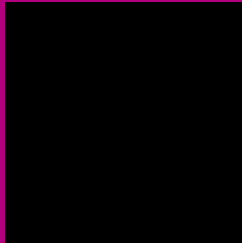
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9973, 0.4093, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 10.9973, 0.4093, 0.2028.



This preview shows how white text looks on a background with the Yxy color 10.9973, 0.4093, 0.2028.

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

10.9973, 0.4093, 0.2028

Protanopia

11.7933, 0.1910, 0.1672

Deuteranopia

11.7170, 0.2795, 0.2741



Tritanopia

11.4134, 0.5449, 0.3274

Trichromacy



Original Color

10.9973, 0.4093, 0.2028

Protanomaly

8.1340, 0.2293, 0.1466

Deuteranomaly

8.9968, 0.3234, 0.2141

Tritanomaly

10.7115, 0.5060, 0.2764

Monochromacy



Original Color

10.9973, 0.4093, 0.2028

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.6372, 0.3604, 0.2295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9973, 0.4093, 0.2028 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(178, 0, 127)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 127)  
}
```

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(178, 0, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 127) }
```

Border

The CSS property to change the border of an element to Yxy 10.9973, 0.4093, 0.2028 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(178, 0, 127) }
```

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

```
.border{ border-color:rgb(178, 0, 127) }
```

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

Here you see how a box with a 4 pixel rgb(178, 0, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 127);  
box-shadow:4px 4px 4px 4px rgb(178, 0,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9973, 0.4093, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 127) }
```

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

```
.background{ background-color: rgb(178, 0,  
127) }
```

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