

Converting Colors

$Y_{xy}(10.2001, 0.3960, 0.1955)$

Have a look what the booklet for
Yxy(10.2001, 0.3960, 0.1955)
contains.

Yxy(10.2164, 0.3963, 0.1957)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.2164, 0.3963, 0.1957)

Conversions

Conversions Part 1

Format	Color
Hex	AB0080
RGB	171, 0, 128
RGB Percent	67%, 0%, 50%
CMY	0.3294, 0.9997, 0.4981
CMYK	0.00, 1.00, 0.25, 0.33
HSL	315°, 100%, 34%
HSV	315°, 100%, 67%
XYZ	20.6886, 10.2164, 21.2994
YIQ	65.7210, 60.8280, 76.0600

Conversions

Conversions Part 2

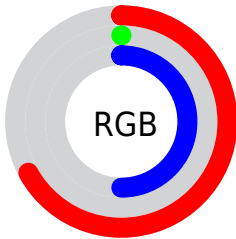
Format	Color
RYB	171, 0, 128
Decimal	11206784
CIELab	38.23, 67.03, -22.60
CIElCh	38, 70.737, 341.365
Yxy	10.2164, 0.3963, 0.1957
Android (android.graphics.Color)	4289396864 (0xFFAB0080)
YUV	65.7210, 30.7035, 92.3297
Hunter-Lab	31.9631, 59.6014, -17.1352

Details

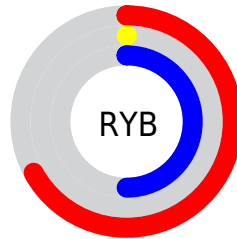
The Yxy color **10.2164, 0.3963, 0.1957** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **29.2978, 0.2915, 0.5694**, and the grayscale version is **5.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.1938, 0.3772, 0.2246**, and **4.1275, 0.4156, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **10.2145, 0.3963, 0.1957**, and if you desaturate by 10%, it is **10.7375, 0.3864, 0.1959**.

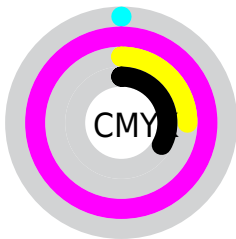
Distribution



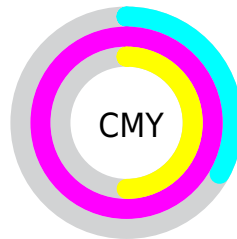
- Red (67%)
- Green (0%)
- Blue (50%)



- Red (67%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (33%)





- Cyan (33%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2164, 0.3963, 0.1957 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 10.2164, 0.3963, 0.1957 by changing the saturation by 10% instead.


 10.2164, 0.3963,
0.1957


 10.2164, 0.3963,
0.1957


192.2096, 0.3487,
0.2698


 5.5427, 0.4103,
0.1748


 26.2017, 0.3775,
0.2244

 2.5690, 0.4297,
0.1470


 38.2821, 0.3709,
0.2347


 0.9111, 0.4576,
0.1088

 53.6002, 0.3655,
0.2432

 0.0000, 0.5301,
0.0000

 72.5404, 0.3610,
0.2502

 0.0000, 0.7114,
0.0000

 95.4870, 0.3572,
0.2563

 0.0000, 0.0000,
0.0000

 122.8245, 0.3540,

0.2614

154.9372, 0.3512,
0.2659

■ 10.2164, 0.3963,
0.1957

■ 10.2164, 0.3963,
0.1957

■ 10.2145, 0.3963,
0.1957

■ 10.7375, 0.3864,
0.1959

■ 11.6118, 0.3764,
0.1999

■ 12.9782, 0.3663,
0.2085

■ 14.9003, 0.3563,
0.2211

■ 17.4320, 0.3470,
0.2367

■ 20.6207, 0.3383,
0.2544

■ 24.5094, 0.3306,
0.2731

■ 29.1372, 0.3237,
0.2922

■ 34.5404, 0.3178,
0.3110

Harmonies

Analogous

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



10.2164, 0.2402, 0.1462



10.2164, 0.3963, 0.1957



10.2164, 0.5536, 0.2672

Triad

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



10.2164, 0.3963, 0.1957



10.2164, 0.4415, 0.5585



10.2164, 0.0858, 0.1956

Complementary

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



10.2164, 0.3963, 0.1957



29.2978, 0.2915, 0.5694

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.



10.2164, 0.1109, 0.3353



10.2164, 0.3963, 0.1957



10.2164, 0.3091, 0.6352

Square

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



10.2164, 0.3963, 0.1957



10.2164, 0.5563, 0.4437



10.2164, 0.1895, 0.5496



10.2164, 0.0971, 0.1387

Rectangle

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



10.2164, 0.3963, 0.1957



10.2164, 0.6039, 0.3188



10.2164, 0.1895, 0.5496



10.2164, 0.0894, 0.2306

Sweetspot

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



10.2169, 0.3963, 0.1957



43.4597, 0.3310, 0.2720



3.4514, 0.1650, 0.0683



9.0279, 0.3341, 0.2643



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.



10.2169, 0.3963, 0.1957



18.2601, 0.3979, 0.1966



8.8318, 0.5915, 0.3033



8.1131, 0.3174, 0.3122



7.7099, 0.3954, 0.1952



0.2226, 0.3686, 0.1804

Inverse Universe

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



10.2169, 0.3963, 0.1957



18.2601, 0.3979, 0.1966



30.6883, 0.2476, 0.4112



8.1131, 0.3174, 0.3122



7.7099, 0.3954, 0.1952



0.2226, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 10.2164, 0.3963, 0.1957 looks on a white background.

Color Contrast Check

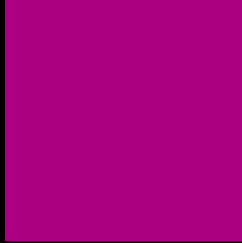
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2164, 0.3963, 0.1957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

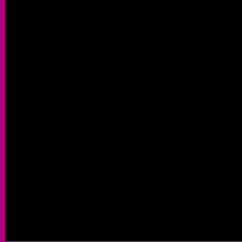
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2164, 0.3963, 0.1957

Background



This preview shows how black text looks on a background with the Yxy color 10.2164, 0.3963, 0.1957.



This preview shows how white text looks on a background with the Yxy color 10.2164, 0.3963, 0.1957.

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

10.2164, 0.3963, 0.1957

Protanopia

11.0648, 0.1843, 0.1590

Deuteranopia

10.8645, 0.2684, 0.2636



Tritanopia

10.5376, 0.5351, 0.3260

Trichromacy



Original Color

10.2164, 0.3963, 0.1957



Protanomaly

7.4662, 0.2164, 0.1377



Deuteranomaly

8.3077, 0.3097, 0.2049



Tritanomaly

9.8277, 0.4935, 0.2709

Monochromacy



Original Color

10.2164, 0.3963, 0.1957



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

5.3203, 0.3519, 0.2245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2164, 0.3963, 0.1957 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(171, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 128)  
}
```

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(171, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 128) }
```

Border

The CSS property to change the border of an element to Yxy 10.2164, 0.3963, 0.1957 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(171, 0, 128) }
```

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

```
.border{ border-color:rgb(171, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 0, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 0, 128); box-shadow:4px 4px 4px 4px rgb(171, 0, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2164, 0.3963, 0.1957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 128) }
```

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

```
.background{ background-color: rgb(171, 0,  
128) }
```

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