

Converting Colors

$Y_{xy}(10.6352, 0.4168, 0.2070)$

Have a look what the booklet for
Yxy(10.6352, 0.4168, 0.2070)
contains.

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Color

Yxy(10.6352, 0.4168, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	B0007A
RGB	176, 0, 122
RGB Percent	69%, 0%, 48%
CMY	0.3098, 0.9996, 0.5217
CMYK	0.00, 1.00, 0.31, 0.31
HSL	318°, 100%, 35%
HSV	318°, 100%, 69%
XYZ	21.4143, 10.6352, 19.3283
YIQ	66.5320, 65.7340, 75.2540

Conversions

Conversions Part 2

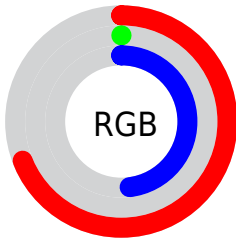
Format	Color
R _Y B	176, 0, 122
Decimal	11534458
CIE Lab	38.96, 67.35, -17.65
CIE LCh	39, 69.626, 345.320
Yxy	10.6352, 0.4168, 0.2070
Android (android.graphics.Color)	4289724538 (0xFFB0007A)
YUV	66.5320, 27.3457, 96.0034
Hunter-Lab	32.6117, 60.1406, -12.3119

Details

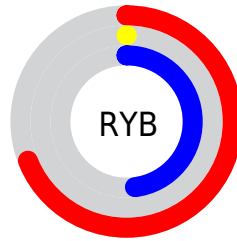
The Yxy color **10.6352, 0.4168, 0.2070** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **31.3147, 0.2881, 0.5572**, and the grayscale version is **5.4938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1145, 0.3918, 0.2339**, and **4.3326, 0.4405, 0.2201** is the 20% darker color. If you saturate the color by 10%, you get **10.6325, 0.4169, 0.2070**, and if you desaturate by 10%, it is **11.1944, 0.4040, 0.2059**.

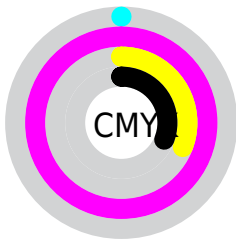
Distribution



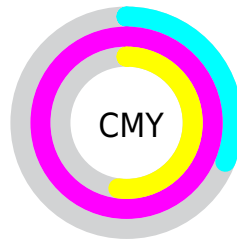
- Red (69%)
- Green (0%)
- Blue (48%)



- Red (69%)
- Yellow (0%)
- Blue (48%)



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





- Cyan (31%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6352, 0.4168, 0.2070 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 10.6352, 0.4168, 0.2070 by changing the saturation by 10% instead.


 10.6352, 0.4168,
0.2070


 10.6352, 0.4168,
0.2070


195.1474, 0.3561,
0.2756


 5.8221, 0.4355,
0.1873


 26.9836, 0.3923,
0.2339


 2.7372, 0.4621,
0.1605

 39.2877, 0.3839,
0.2434


 0.9961, 0.5021,
0.1229

 54.8575, 0.3770,
0.2512

 0.0000, 0.6097,
0.0000

 74.0776, 0.3714,
0.2577

 0.0000, 1.0000,
0.0000

 97.3322, 0.3667,
0.2632

 0.0000, 0.0000,
0.0000

 125.0058, 0.3626,

0.2679

157.4827, 0.3592,
0.2720

■ 10.6352, 0.4168,
0.2070

■ 10.6352, 0.4168,
0.2070

■ 10.6325, 0.4169,
0.2070

■ 11.1944, 0.4040,
0.2059

■ 12.1367, 0.3911,
0.2088

■ 13.6071, 0.3781,
0.2164

■ 15.6740, 0.3656,
0.2281

■ 18.3955, 0.3539,
0.2427

■ 21.8227, 0.3433,
0.2593

■ 26.0015, 0.3339,
0.2769

■ 30.9742, 0.3257,
0.2948

■ 36.7796, 0.3187,
0.3123

Harmonies

Analogous

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



10.6352, 0.2593, 0.1544



10.6352, 0.4168, 0.2070



10.6352, 0.5614, 0.2794

Triad

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



10.6352, 0.4168, 0.2070



10.6352, 0.4272, 0.5728



10.6352, 0.0893, 0.1881

Complementary

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



10.6352, 0.4168, 0.2070



31.3147, 0.2881, 0.5572

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.



10.6352, 0.1091, 0.3121



10.6352, 0.4168, 0.2070



10.6352, 0.2952, 0.6276

Square

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



10.6352, 0.4168, 0.2070



10.6352, 0.5411, 0.4589



10.6352, 0.1800, 0.5167



10.6352, 0.1046, 0.1388

Rectangle

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



10.6352, 0.4168, 0.2070



10.6352, 0.6001, 0.3313



10.6352, 0.1800, 0.5167



10.6352, 0.0914, 0.2190

Sweetspot

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



10.6358, 0.4168, 0.2070



46.6795, 0.3344, 0.2759



3.8901, 0.1706, 0.0714



9.4116, 0.3382, 0.2686



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.



10.6358, 0.4168, 0.2070



19.2442, 0.4189, 0.2081



9.3543, 0.6066, 0.3116



8.6014, 0.3183, 0.3133



7.8132, 0.4156, 0.2063



0.2557, 0.3835, 0.1886

Inverse Universe

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



10.6358, 0.4168, 0.2070



19.2442, 0.4189, 0.2081



32.9647, 0.2427, 0.3938



8.6014, 0.3183, 0.3133



7.8132, 0.4156, 0.2063



0.2557, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 10.6352, 0.4168, 0.2070 looks on a white background.

Color Contrast Check

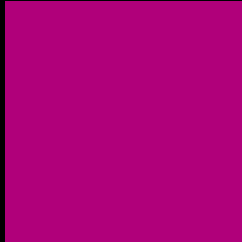
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6352, 0.4168, 0.2070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

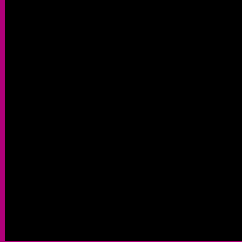
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6352, 0.4168, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 10.6352, 0.4168, 0.2070.



This preview shows how white text looks on a background with the Yxy color 10.6352, 0.4168, 0.2070.

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

10.6352, 0.4168, 0.2070

Protanopia

11.4672, 0.1961, 0.1738

Deuteranopia

11.2489, 0.2855, 0.2797



Tritanopia

11.0021, 0.5484, 0.3275

Trichromacy



Original Color

10.6352, 0.4168, 0.2070



Protanomaly

8.0912, 0.2383, 0.1541



Deuteranomaly

8.6974, 0.3305, 0.2196



Tritanomaly

10.3860, 0.5108, 0.2788

Monochromacy



Original Color

10.6352, 0.4168, 0.2070



Achromatopsia

5.6128, 0.3127, 0.3290



Achromatomaly

5.5417, 0.3630, 0.2326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6352, 0.4168, 0.2070 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(176, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 122)  
}
```

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(176, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 122) }
```

Border

The CSS property to change the border of an element to Yxy 10.6352, 0.4168, 0.2070 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(176, 0, 122) }
```

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

```
.border{ border-color:rgb(176, 0, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 0, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6352, 0.4168, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 122) }
```

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

```
.background{ background-color: rgb(176, 0,  
122) }
```

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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