

Converting Colors

$Y_{xy}(10.4989, 0.4127, 0.2047)$

Have a look what the booklet for
Yxy(10.4989, 0.4127, 0.2047)
contains.

Yxy(10.5440, 0.4131, 0.2049)	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(10.5440, 0.4131, 0.2049)

Conversions

Conversions Part 1

Format	Color
Hex	AF007B
RGB	175, 0, 123
RGB Percent	69%, 0%, 48%
CMY	0.3137, 1.0000, 0.5176
CMYK	0.00, 1.00, 0.30, 0.31
HSL	318°, 100%, 34%
HSV	318°, 100%, 69%
XYZ	21.2578, 10.5440, 19.6574
YIQ	66.3470, 64.8170, 75.3530

Conversions

Conversions Part 2

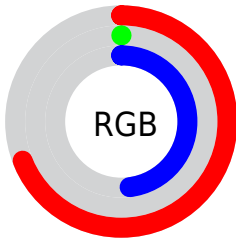
Format	Color
R _Y B	175, 0, 123
Decimal	11468923
CIE Lab	38.80, 67.29, -18.55
CIE LCh	39, 69.800, 344.587
Yxy	10.5440, 0.4131, 0.2049
Android (android.graphics.Color)	4289659003 (0xFFAF007B)
YUV	66.3470, 27.9299, 95.2887
Hunter-Lab	32.4715, 60.0317, -13.1626

Details

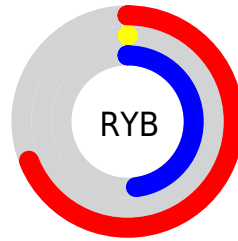
The Yxy color **10.5440, 0.4131, 0.2049** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **30.9148, 0.2888, 0.5596**, and the grayscale version is **5.4540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8313, 0.3895, 0.2317**, and **4.2763, 0.4351, 0.2171** is the 20% darker color. If you saturate the color by 10%, you get **10.5464, 0.4131, 0.2049**, and if you desaturate by 10%, it is **11.0967, 0.4009, 0.2040**.

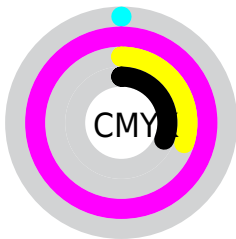
Distribution



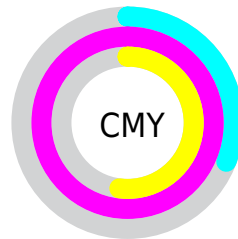
- Red (69%)
- Green (0%)
- Blue (48%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (30%)
- Black (31%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5440, 0.4131, 0.2049 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 10.5440, 0.4131, 0.2049 by changing the saturation by 10% instead.


 10.5440, 0.4131,
0.2049


 10.5440, 0.4131,
0.2049


194.5118, 0.3548,
0.2746


 5.7611, 0.4310,
0.1849


 26.8138, 0.3896,
0.2321

 2.7004, 0.4563,
0.1579

 39.0695, 0.3815,
0.2418


 0.9774, 0.4941,
0.1202

 54.5849, 0.3749,
0.2497

 0.0000, 0.5952,
0.0000

 73.7445, 0.3695,
0.2563

 0.0000, 1.0000,
0.0000

 96.9326, 0.3649,
0.2619

 0.0000, 0.0000,
0.0000

 124.5335, 0.3611,

0.2667

156.9318, 0.3577,
0.2709

■ 10.5440, 0.4131,
0.2049

■ 10.5440, 0.4131,
0.2049

■ 10.5464, 0.4131,
0.2049

■ 11.0967, 0.4009,
0.2040

■ 12.0232, 0.3885,
0.2071

■ 13.4701, 0.3760,
0.2149

■ 15.5051, 0.3640,
0.2267

■ 18.1855, 0.3527,
0.2415

■ 21.5616, 0.3425,
0.2583

■ 25.6789, 0.3334,
0.2761

■ 30.5790, 0.3254,
0.2942

■ 36.3002, 0.3185,
0.3120

Harmonies

Analogous

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



10.5440, 0.2557, 0.1528



10.5440, 0.4131, 0.2049



10.5440, 0.5602, 0.2771

Triad

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



10.5440, 0.4131, 0.2049



10.5440, 0.4298, 0.5702



10.5440, 0.0886, 0.1894

Complementary

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



10.5440, 0.4131, 0.2049



30.9148, 0.2888, 0.5596

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.



10.5440, 0.1094, 0.3162



10.5440, 0.4131, 0.2049



10.5440, 0.2978, 0.6293

Square

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



10.5440, 0.4131, 0.2049



10.5440, 0.5439, 0.4561



10.5440, 0.1817, 0.5228



10.5440, 0.1032, 0.1387

Rectangle

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



10.5440, 0.4131, 0.2049



10.5440, 0.6009, 0.3290



10.5440, 0.1817, 0.5228



10.5440, 0.0910, 0.2210

Sweetspot

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



10.5464, 0.4131, 0.2049



45.5639, 0.3338, 0.2752



3.7635, 0.1685, 0.0702



9.4198, 0.3375, 0.2678



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.



10.5464, 0.4131, 0.2049



18.8438, 0.4150, 0.2060



9.2554, 0.6021, 0.3090



8.1069, 0.3181, 0.3132



7.5621, 0.4118, 0.2042



0.2194, 0.3785, 0.1859

Inverse Universe

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



10.5464, 0.4131, 0.2049



18.8438, 0.4150, 0.2060



32.4757, 0.2444, 0.3997



8.1069, 0.3181, 0.3132



7.5621, 0.4118, 0.2042



0.2194, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 10.5440, 0.4131, 0.2049 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 10.5440, 0.4131, 0.2049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

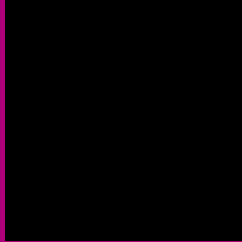
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5440, 0.4131, 0.2049

Background



This preview shows how black text looks on a background with the Yxy color 10.5440, 0.4131, 0.2049.



This preview shows how white text looks on a background with the Yxy color 10.5440, 0.4131, 0.2049.

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

10.5440, 0.4131, 0.2049

Protanopia

11.2554, 0.1935, 0.1703

Deuteranopia

11.2193, 0.2828, 0.2774



Tritanopia

10.9817, 0.5448, 0.3274

Trichromacy



Original Color

10.5440, 0.4131, 0.2049



Protanomaly

7.8593, 0.2334, 0.1499



Deuteranomaly

8.6469, 0.3269, 0.2174



Tritanomaly

10.2865, 0.5073, 0.2769

Monochromacy



Original Color

10.5440, 0.4131, 0.2049



Achromatopsia

5.4480, 0.3127, 0.3290



Achromatomaly

5.4082, 0.3612, 0.2300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5440, 0.4131, 0.2049 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, 123)` looks like.

```
.text, #text, p{  
  color:rgb(175, 0, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 0, 123) }
```

Border

The CSS property to change the border of an element to Yxy 10.5440, 0.4131, 0.2049 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, 123) }
```

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

```
.border{ border-color:rgb(175, 0, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(175, 0,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5440, 0.4131, 0.2049 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, 123) }
```

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

```
.background{ background-color: rgb(175, 0,  
123) }
```

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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