

Converting Colors

$Y_{xy}(10.4399, 0.3048, 0.1916)$

Have a look what the booklet for
Yxy(10.4399, 0.3048, 0.1916)
contains.

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Color

Yxy(10.5020, 0.3050, 0.1919)

Conversions

Conversions Part 1

Format	Color
Hex	873D90
RGB	135, 61, 144
RGB Percent	53%, 24%, 56%
CMY	0.4707, 0.7607, 0.4353
CMYK	0.06, 0.58, 0.00, 0.44
HSL	293°, 40%, 40%
HSV	293°, 58%, 56%
XYZ	16.6916, 10.5020, 27.5329
YIQ	92.5880, 17.4610, 41.5010

Conversions

Conversions Part 2

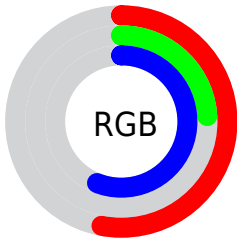
Format	Color
R_{YB}	135, 61, 144
Decimal	8863120
CIE _{Lab}	38.73, 44.10, -32.11
CIE _{LCh}	39, 54.552, 323.939
Yxy	10.5020, 0.3050, 0.1919
Android (android.graphics.Color)	4287053200 (0xFF873D90)
YUV	92.5880, 25.3461, 37.1953
Hunter-Lab	32.4068, 35.2270, -27.6881

Details

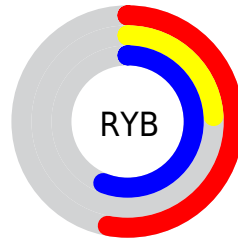
The Yxy color **10.5020, 0.3050, 0.1919** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.5875, 0.3117, 0.5042**, and the grayscale version is **10.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6127, 0.3091, 0.2210**, and **2.6710, 0.2932, 0.1424** is the 20% darker color. If you saturate the color by 10%, you get **9.0366, 0.3027, 0.1734**, and if you desaturate by 10%, it is **12.3830, 0.3070, 0.2134**.

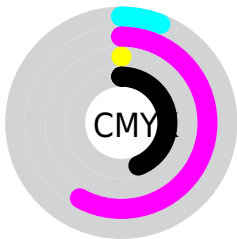
Distribution



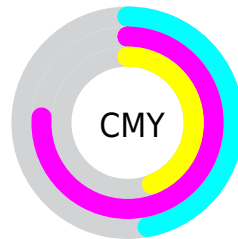
- Red (53%)
- Green (24%)
- Blue (56%)



- Red (53%)
- Yellow (24%)
- Blue (56%)



- Cyan (6%)
- Magenta (58%)
- Yellow (0%)
- Black (44%)





- Cyan (47%)
- Magenta (76%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5020, 0.3050, 0.1919 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 10.5020, 0.3050, 0.1919 by changing the saturation by 10% instead.


 10.5020, 0.3050,
0.1919


 10.5020, 0.3050,
0.1919


194.2183, 0.3126,
0.2679


 5.7330, 0.3010,
0.1707


 26.7355, 0.3091,
0.2213


 2.6834, 0.2942,
0.1426

 38.9689, 0.3101,
0.2318

 0.9688, 0.2811,
0.1047

 54.4592, 0.3109,
0.2405

 0.0000, 0.2678,
0.0000

 73.5908, 0.3115,
0.2478

 0.0000, 0.0000,
0.0000

 96.7481, 0.3119,
0.2539

 124.3156, 0.3122,

0.2593

156.6775, 0.3124,
0.2639

■ 10.5020, 0.3050,
0.1919

■ 10.5020, 0.3050,
0.1919

■ 9.0366, 0.3027,
0.1734

■ 12.3830, 0.3070,
0.2134

■ 7.9517, 0.3002,
0.1586

■ 14.7085, 0.3088,
0.2369

■ 7.2084, 0.2976,
0.1480

■ 17.5063, 0.3102,
0.2615

■ 6.7326, 0.2948,
0.1410

■ 20.8014, 0.3114,
0.2864

■ 6.6293, 0.2942,
0.1394

■ 24.6172, 0.3122,
0.3109

■ 28.9755, 0.3128,
0.3345

■ 33.8971, 0.3133,
0.3567

■ 39.4013, 0.3135,
0.3774

■ 45.5069, 0.3136,
0.3965

Harmonies

Analogous

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



10.5020, 0.2029, 0.1631



10.5020, 0.3050, 0.1919



10.5020, 0.4346, 0.2458

Triad

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



10.5020, 0.3050, 0.1919



10.5020, 0.4854, 0.4750



10.5020, 0.1326, 0.2845

Complementary

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



10.5020, 0.3050, 0.1919



21.5875, 0.3117, 0.5042

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.



10.5020, 0.1858, 0.4282



10.5020, 0.3050, 0.1919



10.5020, 0.3883, 0.5490

Square

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



10.5020, 0.3050, 0.1919



10.5020, 0.5448, 0.3909



10.5020, 0.2802, 0.5484



10.5020, 0.1213, 0.1979

Rectangle

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



10.5020, 0.3050, 0.1919



10.5020, 0.5073, 0.2908



10.5020, 0.2802, 0.5484



10.5020, 0.1452, 0.3275

Sweetspot

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



10.5025, 0.3050, 0.1919



36.8612, 0.3114, 0.2871



7.4752, 0.2089, 0.1698



8.2027, 0.3112, 0.2827



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



10.5025, 0.3050, 0.1919



15.3395, 0.3020, 0.1689



10.4433, 0.3737, 0.2423



5.4817, 0.3121, 0.3072



5.7791, 0.2944, 0.1395



0.0608, 0.3083, 0.1472

Inverse Universe

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



9.7119, 0.4619, 0.3142



13.9181, 0.5166, 0.3134



21.7267, 0.2809, 0.4400



5.4330, 0.3265, 0.3266



5.1970, 0.6231, 0.3206



0.0512, 0.5574, 0.2844

Previews

White Background



This preview shows how the Yxy color 10.5020, 0.3050, 0.1919 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 10.5020, 0.3050, 0.1919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

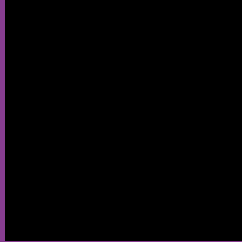
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5020, 0.3050, 0.1919

Background



This preview shows how black text looks on a background with the Yxy color 10.5020, 0.3050, 0.1919.



This preview shows how white text looks on a background with the Yxy color 10.5020, 0.3050, 0.1919.

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

10.5020, 0.3050, 0.1919

Protanopia

10.7251, 0.1948, 0.1721

Deuteranopia

10.6483, 0.2301, 0.2243



Tritanopia

10.4443, 0.3938, 0.3172

Trichromacy



Original Color

10.5020, 0.3050, 0.1919

Protanomaly

9.9145, 0.2195, 0.1724

Deuteranomaly

10.0401, 0.2518, 0.2056

Tritanomaly

10.2722, 0.3602, 0.2641

Monochromacy



Original Color

10.5020, 0.3050, 0.1919

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.2429, 0.3093, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5020, 0.3050, 0.1919 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(135, 61, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 61, 144)  
}
```

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(135, 61, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 61, 144) }
```

Border

The CSS property to change the border of an element to Yxy 10.5020, 0.3050, 0.1919 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(135, 61, 144) }
```

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

```
.border{ border-color:rgb(135, 61, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 61, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 61, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 61, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 61,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5020, 0.3050, 0.1919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 61, 144) }
```

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

```
.background{ background-color: rgb(135, 61,  
144) }
```

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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