

Converting Colors

$Y_{xy}(19.1824, 0.2685, 0.2147)$

Have a look what the booklet for
Yxy(19.1824, 0.2685, 0.2147)
contains.

Yxy(19.2549, 0.2691, 0.2151)	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(19.2549, 0.2691, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	8A6BB5
RGB	138, 107, 181
RGB Percent	54%, 42%, 71%
CMY	0.4586, 0.5805, 0.2901
CMYK	0.24, 0.41, 0.00, 0.29
HSL	265°, 33%, 56%
HSV	265°, 41%, 71%
XYZ	24.0888, 19.2549, 46.1724
YIQ	124.7050, -5.2780, 29.5860

Conversions

Conversions Part 2

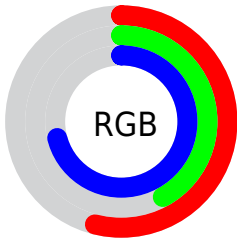
Format	Color
R _{YB}	138, 107, 181
Decimal	9071541
CIE _{Lab}	50.98, 27.69, -34.77
CIE _{LCh}	51, 44.450, 308.539
Y _{xy}	19.2549, 0.2691, 0.2151
Android (android.graphics.Color)	4287261621 (0xFF8A6BB5)
YUV	124.7050, 27.7534, 11.6597
Hunter-Lab	43.8804, 21.1994, -31.6706

Details

The Yxy color **19.2549, 0.2691, 0.2151** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **40.5929, 0.3435, 0.4393**, and the grayscale version is **20.3123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2482, 0.2797, 0.2379**, and **6.6649, 0.2501, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **15.0159, 0.2552, 0.1847**, and if you desaturate by 10%, it is **24.3720, 0.2819, 0.2454**.

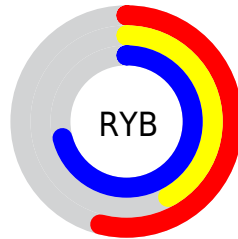
Distribution



Red (54%)

Green (42%)

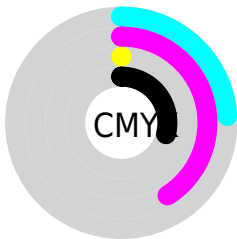
Blue (71%)



Red (54%)

Yellow (42%)

Blue (71%)

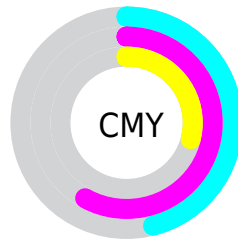


Cyan (24%)

Magenta (41%)

Yellow (0%)

Black (29%)



Cyan (46%)


Magenta (58%)


Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2549, 0.2691, 0.2151 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 19.2549, 0.2691, 0.2151 by changing the saturation by 10% instead.


 19.2549, 0.2691,
0.2151


 19.2549, 0.2691,
0.2151


247.8524, 0.2948,
0.2750


 11.8546, 0.2613,
0.1995


 42.1644, 0.2794,
0.2374

 6.6448, 0.2504,
0.1794


 58.4424, 0.2830,
0.2456

 3.2409, 0.2345,
0.1526

 78.4483, 0.2859,
0.2525

 1.2588, 0.2095,
0.1161

 102.5667, 0.2883,
0.2584

 0.1089, 0.1746,
0.0244

131.1820, 0.2903,
0.2634

 0.0000, 0.0000,
0.0000

164.6784, 0.2920,

0.2678

203.4404, 0.2935,
0.2716

■ 19.2549, 0.2691,
0.2151

■ 19.2549, 0.2691,
0.2151

■ 15.0159, 0.2552,
0.1847

■ 24.3720, 0.2819,
0.2454

■ 11.6006, 0.2405,
0.1556

■ 30.4128, 0.2934,
0.2745

■ 8.9519, 0.2256,
0.1294

■ 37.4221, 0.3034,
0.3018

■ 7.0039, 0.2113,
0.1076

■ 45.4413, 0.3120,
0.3268

■ 5.6792, 0.1983,
0.0913

■ 54.5092, 0.3194,
0.3496

■ 4.8740, 0.1879,
0.0809

■ 64.6628, 0.3256,
0.3700

■ 75.9369, 0.3308,
0.3882

■ 88.3650, 0.3351,
0.4044

■ 92.1083, 0.3416,
0.4056

Harmonies

Analogous

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



19.2549, 0.2083, 0.2048



19.2549, 0.2691, 0.2151



19.2549, 0.3518, 0.2477

Triad

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



19.2549, 0.2691, 0.2151



19.2549, 0.4652, 0.4153



19.2549, 0.2021, 0.3490

Complementary

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



19.2549, 0.2691, 0.2151



40.5929, 0.3435, 0.4393

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.



19.2549, 0.2612, 0.4370



19.2549, 0.2691, 0.2151



19.2549, 0.4133, 0.4661

Square

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



19.2549, 0.2691, 0.2151



19.2549, 0.4749, 0.3552



19.2549, 0.3386, 0.4821



19.2549, 0.1738, 0.2687

Rectangle

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



19.2549, 0.2691, 0.2151



19.2549, 0.4077, 0.2792



19.2549, 0.3386, 0.4821



19.2549, 0.2187, 0.3798

Sweetspot

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



19.2557, 0.2691, 0.2151



65.2807, 0.3021, 0.2984



28.3268, 0.2496, 0.2790



13.7491, 0.3009, 0.2950



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.



19.2557, 0.2691, 0.2151



27.6389, 0.2567, 0.1880



22.9431, 0.3103, 0.2279



8.3987, 0.3048, 0.3059



3.3982, 0.1892, 0.0816



0.1415, 0.2226, 0.1000

Inverse Universe

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



22.5353, 0.3551, 0.2684



34.5012, 0.3685, 0.2558



37.6363, 0.3117, 0.4511



8.5852, 0.3200, 0.3159



7.4894, 0.4597, 0.2306



0.2470, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 19.2549, 0.2691, 0.2151 looks on a white 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

Black Background



This preview shows how the Yxy color 19.2549, 0.2691, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

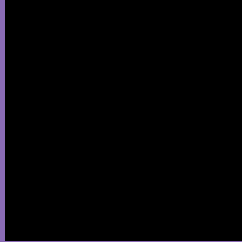
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2549, 0.2691, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 19.2549, 0.2691, 0.2151.



This preview shows how white text looks on a background with the Yxy color 19.2549, 0.2691, 0.2151.

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

19.2549, 0.2691, 0.2151

Protanopia

19.4323, 0.2245, 0.2094

Deuteranopia

19.4858, 0.2364, 0.2313



Tritanopia

19.1825, 0.3148, 0.3108

Trichromacy



Original Color

19.2549, 0.2691, 0.2151

Protanomaly

19.2718, 0.2387, 0.2113

Deuteranomaly

19.2562, 0.2473, 0.2247

Tritanomaly

19.0467, 0.2970, 0.2720

Monochromacy



Original Color

19.2549, 0.2691, 0.2151

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.7470, 0.2969, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2549, 0.2691, 0.2151 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(138, 107, 181)` looks like.

```
.text, #text, p{  
    color:rgb(138, 107, 181)  
}
```

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(138, 107, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 107, 181) }
```

Border

The CSS property to change the border of an element to Yxy 19.2549, 0.2691, 0.2151 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(138, 107, 181) }
```

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

```
.border{ border-color:rgb(138, 107, 181) }
```

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

Here you see how a box with a 4 pixel rgb(138, 107, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 107, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 107, 181);  
box-shadow:4px 4px 4px 4px rgb(138, 107,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2549, 0.2691, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 107, 181) }
```

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

```
.background{ background-color: rgb(138,  
107, 181) }
```

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