

Converting Colors

$Y_{xy}(19.2572, 0.2728, 0.1478)$

Have a look what the booklet for
Yxy(19.2572, 0.2728, 0.1478)
contains.

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Color

Yxy(19.2370, 0.2731, 0.1480)

Conversions

Conversions Part 1

Format	Color
Hex	B83EE4
RGB	184, 62, 228
RGB Percent	72%, 24%, 89%
CMY	0.2783, 0.7569, 0.1059
CMYK	0.19, 0.73, 0.00, 0.11
HSL	284°, 75%, 57%
HSV	284°, 73%, 89%
XYZ	35.4975, 19.2370, 75.2453
YIQ	117.4020, 19.4260, 77.4900

Conversions

Conversions Part 2

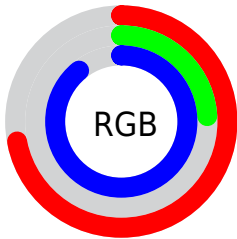
Format	Color
R_{YB}	184, 62, 228
Decimal	12074724
CIE _{Lab}	50.96, 71.44, -61.37
CIE _{LCh}	51, 94.177, 319.336
Yxy	19.2370, 0.2731, 0.1480
Android (android.graphics.Color)	4290264804 (0xFFB83EE4)
YUV	117.4020, 54.5248, 58.4064
Hunter-Lab	43.8600, 67.7114, -71.0146

Details

The Yxy color **19.2370, 0.2731, 0.1480** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **58.8998, 0.3213, 0.5476**, and the grayscale version is **17.7415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8860, 0.3088, 0.1984**, and **7.4142, 0.2544, 0.1175** is the 20% darker color. If you saturate the color by 10%, you get **16.5273, 0.2659, 0.1328**, and if you desaturate by 10%, it is **23.0193, 0.2803, 0.1676**.

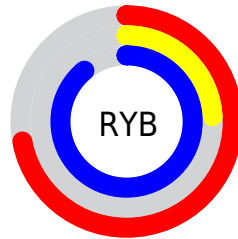
Distribution



Red (72%)

Green (24%)

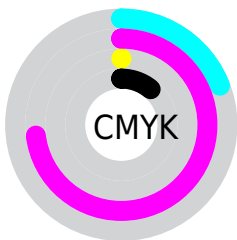
Blue (89%)



Red (72%)

Yellow (24%)

Blue (89%)

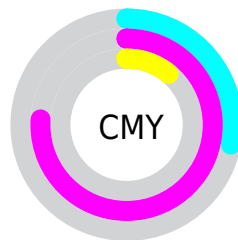


Cyan (19%)

Magenta (73%)

Yellow (0%)

Black (11%)



Cyan (28%)


Magenta (76%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2370, 0.2731, 0.1480 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 19.2370, 0.2731, 0.1480 by changing the saturation by 10% instead.


 19.2370, 0.2731,
0.1480


 19.2370, 0.2731,
0.1480

247.7540, 0.2991,
0.2328


 11.8417, 0.2650,
0.1296


 42.1342, 0.2838,
0.1769


 6.6359, 0.2539,
0.1079


 58.4048, 0.2875,
0.1884


 3.2355, 0.2382,
0.0825


 78.4027, 0.2904,
0.1983

 1.2559, 0.2151,
0.0538

 102.5121, 0.2928,
0.2070

 0.1066, 0.1833,
0.0085

 131.1176, 0.2948,
0.2147

 0.0000, 0.1285,
0.0000

164.6035, 0.2965,

 0.0000, 0.0000,

0.2214

0.0000

203.3542, 0.2979,
0.2274

■ 19.2370, 0.2731,
0.1480

■ 19.2370, 0.2731,
0.1480

■ 16.5273, 0.2659,
0.1328

■ 23.0193, 0.2803,
0.1676

■ 14.7476, 0.2588,
0.1223


■ 27.9881, 0.2871,
0.1908

■ 13.8830, 0.2538,
0.1172


■ 34.2450, 0.2934,
0.2164

■ 41.8801, 0.2991,
0.2433

■ 50.9752, 0.3041,
0.2704

 61.6056, 0.3083,
0.2969

 73.8412, 0.3118,
0.3222

 87.7480, 0.3147,
0.3458

 95.3657, 0.3179,
0.3561

Harmonies

Analogous

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



19.2370, 0.1553, 0.1201



19.2370, 0.2731, 0.1480



19.2370, 0.4515, 0.2062

Triad

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



19.2370, 0.2731, 0.1480



19.2370, 0.5312, 0.4688



19.2370, 0.0889, 0.2820

Complementary

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



19.2370, 0.2731, 0.1480



58.8998, 0.3213, 0.5476

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.



19.2370, 0.1517, 0.5090



19.2370, 0.2731, 0.1480



19.2370, 0.4028, 0.5972

Square

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



19.2370, 0.2731, 0.1480



19.2370, 0.6151, 0.3630



19.2370, 0.2670, 0.6592



19.2370, 0.0763, 0.1644

Rectangle

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



19.2370, 0.2731, 0.1480



19.2370, 0.5620, 0.2559



19.2370, 0.2670, 0.6592



19.2370, 0.1030, 0.3476

Sweetspot

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



19.2378, 0.2731, 0.1480



66.5702, 0.3044, 0.2722



16.9855, 0.1862, 0.1494



13.5152, 0.3031, 0.2649



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.2378, 0.2731, 0.1480



20.0823, 0.2625, 0.1273



23.6237, 0.3665, 0.2017



14.4131, 0.3096, 0.3055



8.0767, 0.2549, 0.1178



0.6414, 0.2649, 0.1233

Inverse Universe

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



20.9778, 0.4971, 0.2871



23.1274, 0.5526, 0.2923



57.4478, 0.2885, 0.5168



14.4304, 0.3251, 0.3228



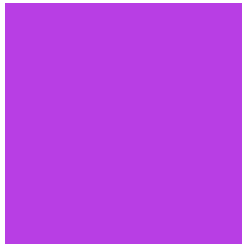
9.7318, 0.5876, 0.3011



0.7342, 0.5460, 0.2782

Previews

White Background



This preview shows how the Yxy color 19.2370, 0.2731, 0.1480 looks on a white background.

Color Contrast Check

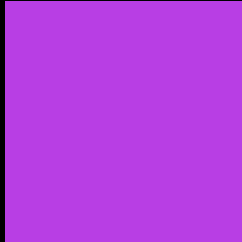
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2370, 0.2731, 0.1480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

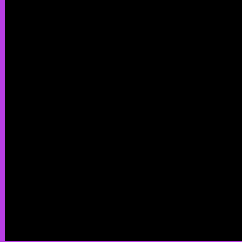
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2370, 0.2731, 0.1480

Background



This preview shows how black text looks on a background with the Yxy color 19.2370, 0.2731, 0.1480.



This preview shows how white text looks on a background with the Yxy color 19.2370, 0.2731, 0.1480.

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

19.2370, 0.2731, 0.1480

Protanopia

19.5621, 0.1735, 0.1447

Deuteranopia

19.6863, 0.1869, 0.1818



Tritanopia

19.0637, 0.3930, 0.3167

Trichromacy



Original Color

19.2370, 0.2731, 0.1480



Protanomaly

16.0936, 0.1816, 0.1301



Deuteranomaly

16.4591, 0.1980, 0.1519



Tritanomaly

18.1968, 0.3429, 0.2350

Monochromacy



Original Color

19.2370, 0.2731, 0.1480



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6464, 0.2965, 0.2313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2370, 0.2731, 0.1480 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(184, 62, 228)` looks like.

```
.text, #text, p{  
    color:rgb(184, 62, 228)  
}
```

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(184, 62, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 62, 228) }
```

Border

The CSS property to change the border of an element to Yxy 19.2370, 0.2731, 0.1480 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(184, 62, 228) }
```

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

```
.border{ border-color:rgb(184, 62, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 62, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 62, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 62, 228);  
box-shadow:4px 4px 4px 4px rgb(184, 62,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2370, 0.2731, 0.1480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 62, 228) }
```

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

```
.background{ background-color: rgb(184, 62,  
228) }
```

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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