

Converting Colors

$Y_{xy}(19.0851, 0.2337, 0.1712)$

Have a look what the booklet for
Yxy(19.0851, 0.2337, 0.1712)
contains.

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Color

Yxy(19.0762, 0.2333, 0.1707)

Conversions

Conversions Part 1

Format	Color
Hex	8166D7
RGB	129, 102, 215
RGB Percent	51%, 40%, 84%
CMY	0.4941, 0.6000, 0.1568
CMYK	0.40, 0.53, 0.00, 0.16
HSL	254°, 59%, 62%
HSV	254°, 53%, 84%
XYZ	26.0719, 19.0762, 66.6047
YIQ	122.9550, -20.1810, 40.8670

Conversions

Conversions Part 2

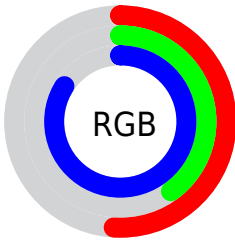
Format	Color
R_{YB}	129, 102, 215
Decimal	8480471
CIE Lab	50.78, 37.05, -54.65
CIE LCh	51, 66.019, 304.134
Yxy	19.0762, 0.2333, 0.1707
Android (android.graphics.Color)	4286670551 (0xFF8166D7)
YUV	122.9550, 45.3782, 5.3015
Hunter-Lab	43.6763, 30.1194, -59.8415

Details

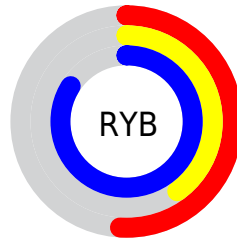
The Yxy color **19.0762, 0.2333, 0.1707** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **60.2569, 0.3666, 0.4657**, and the grayscale version is **19.6450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7703, 0.2617, 0.2140**, and **6.5580, 0.2048, 0.1301** is the 20% darker color. If you saturate the color by 10%, you get **14.2044, 0.2150, 0.1392**, and if you desaturate by 10%, it is **25.2502, 0.2514, 0.2037**.

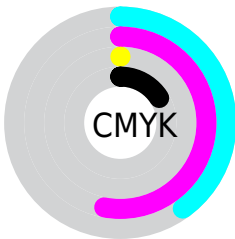
Distribution



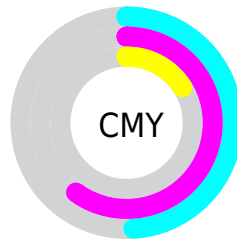
- Red (51%)
- Green (40%)
- Blue (84%)



- Red (51%)
- Yellow (40%)
- Blue (84%)



- Cyan (40%)
- Magenta (53%)
- Yellow (0%)
- Black (16%)




- Cyan (49%)
- Magenta (60%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0762, 0.2333, 0.1707 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 19.0762, 0.2333, 0.1707 by changing the saturation by 10% instead.


 19.0762, 0.2333,
0.1707


 19.0762, 0.2333,
0.1707


246.8691, 0.2784,
0.2496


 11.7254, 0.2208,
0.1522


 41.8628, 0.2507,
0.1987


 6.5570, 0.2043,
0.1296


 58.0674, 0.2570,
0.2095

 3.1866, 0.1819,
0.1019

 77.9920, 0.2621,
0.2186

 1.2299, 0.1508,
0.0688

 102.0210, 0.2665,
0.2266

 0.0859, 0.1102,
0.0095

130.5388, 0.2701,
0.2334

 0.0000, 0.0000,
0.0000

163.9298, 0.2733,

0.2395

202.5785, 0.2760,
0.2448

■ 19.0762, 0.2333,
0.1707

■ 19.0762, 0.2333,
0.1707

■ 14.2044, 0.2150,
0.1392

■ 25.2502, 0.2514,
0.2037

■ 10.5365, 0.1976,
0.1114

■ 32.8109, 0.2684,
0.2365

■ 7.9630, 0.1822,
0.0893


■ 41.8379, 0.2840,
0.2678

■ 6.3525, 0.1697,
0.0742


■ 52.4039, 0.2978,
0.2966

■ 5.6208, 0.1626,
0.0670

■ 64.5771, 0.3099,
0.3228

 78.4212, 0.3203,
0.3461

 93.9967, 0.3292,
0.3666

 97.6868, 0.3363,
0.3681

Harmonies

Analogous

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



19.0762, 0.1603, 0.1606



19.0762, 0.2333, 0.1707



19.0762, 0.3479, 0.2085

Triad

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



19.0762, 0.2333, 0.1707



19.0762, 0.5297, 0.4186



19.0762, 0.1636, 0.3752

Complementary

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



19.0762, 0.2333, 0.1707



60.2569, 0.3666, 0.4657

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.



19.0762, 0.2456, 0.5170



19.0762, 0.2333, 0.1707



19.0762, 0.4544, 0.5026

Square

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



19.0762, 0.2333, 0.1707



19.0762, 0.5444, 0.3400



19.0762, 0.3519, 0.5597



19.0762, 0.1257, 0.2488

Rectangle

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



19.0762, 0.2333, 0.1707



19.0762, 0.4345, 0.2468



19.0762, 0.3519, 0.5597



19.0762, 0.1863, 0.4264

Sweetspot

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



19.0769, 0.2333, 0.1707



71.2540, 0.2931, 0.2866



43.9723, 0.2379, 0.2917



14.5560, 0.2902, 0.2806



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.



19.0769, 0.2333, 0.1707



20.2537, 0.2131, 0.1361



24.7077, 0.2872, 0.1918



12.1505, 0.3018, 0.3052



3.4026, 0.1638, 0.0676



0.2439, 0.1815, 0.0774

Inverse Universe

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



27.5818, 0.3484, 0.2296



34.3170, 0.3586, 0.2131



54.4819, 0.3239, 0.4869



12.5796, 0.3174, 0.3114



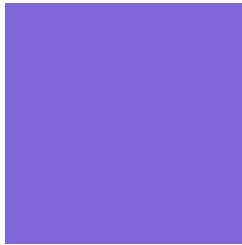
10.2532, 0.3919, 0.1933



0.6309, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 19.0762, 0.2333, 0.1707 looks on a white background.

Color Contrast Check

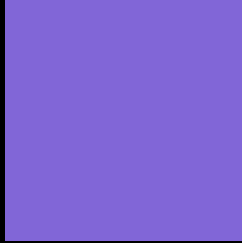
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0762, 0.2333, 0.1707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

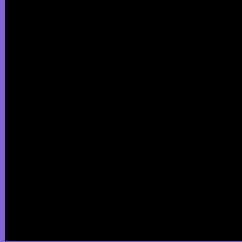
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0762, 0.2333, 0.1707

Background



This preview shows how black text looks on a background with the Yxy color 19.0762, 0.2333, 0.1707.



This preview shows how white text looks on a background with the Yxy color 19.0762, 0.2333, 0.1707.

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

19.0762, 0.2333, 0.1707

Protanopia

19.3056, 0.1876, 0.1622

Deuteranopia

19.1765, 0.1927, 0.1870



Tritanopia

19.1469, 0.2878, 0.3117

Trichromacy



Original Color

19.0762, 0.2333, 0.1707

Protanomaly

18.8636, 0.1988, 0.1633

Deuteranomaly

18.5927, 0.2018, 0.1780

Tritanomaly

18.6520, 0.2652, 0.2475

Monochromacy



Original Color

19.0762, 0.2333, 0.1707

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.0217, 0.2796, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0762, 0.2333, 0.1707 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(129, 102, 215)` looks like.

```
.text, #text, p{  
    color:rgb(129, 102, 215)  
}
```

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(129, 102, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 102, 215) }
```

Border

The CSS property to change the border of an element to Yxy 19.0762, 0.2333, 0.1707 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(129, 102, 215) }
```

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

```
.border{ border-color:rgb(129, 102, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 102, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 102, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 102, 215);  
box-shadow:4px 4px 4px 4px rgb(129, 102,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0762, 0.2333, 0.1707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 102, 215) }
```

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

```
.background{ background-color: rgb(129,  
102, 215) }
```

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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