

Converting Colors

$Y_{xy}(19.8650, 0.2413, 0.1985)$

Have a look what the booklet for
Yxy(19.8650, 0.2413, 0.1985)
contains.

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Color

Yxy(19.8765, 0.2415, 0.1987)

Conversions

Conversions Part 1

Format	Color
Hex	7B70C6
RGB	123, 112, 198
RGB Percent	48%, 44%, 78%
CMY	0.5176, 0.5608, 0.2235
CMYK	0.38, 0.43, 0.00, 0.22
HSL	248°, 43%, 61%
HSV	248°, 43%, 78%
XYZ	24.1579, 19.8765, 55.9983
YIQ	125.0930, -21.0500, 29.0780

Conversions

Conversions Part 2

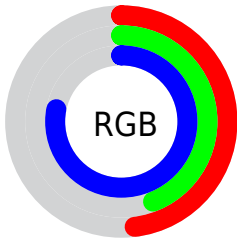
Format	Color
R _Y B	123, 112, 198
Decimal	8089798
CIE Lab	51.70, 24.92, -43.52
CIE LCh	52, 50.151, 299.799
Yxy	19.8765, 0.2415, 0.1987
Android (android.graphics.Color)	4286279878 (0xFF7B70C6)
YUV	125.0930, 35.9432, -1.8356
Hunter-Lab	44.5831, 18.7021, -43.2627

Details

The Yxy color **19.8765, 0.2415, 0.1987** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **52.1297, 0.3670, 0.4387**, and the grayscale version is **20.4241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2359, 0.2571, 0.2237**, and **6.9456, 0.2143, 0.1597** is the 20% darker color. If you saturate the color by 10%, you get **14.8146, 0.2217, 0.1646**, and if you desaturate by 10%, it is **26.1252, 0.2606, 0.2326**.

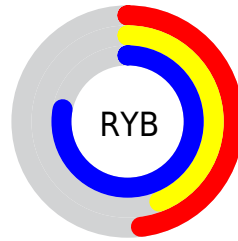
Distribution



Red (48%)

Green (44%)

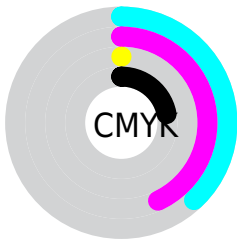
Blue (78%)



Red (48%)

Yellow (44%)

Blue (78%)

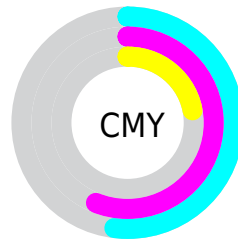


Cyan (38%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (52%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8765, 0.2415, 0.1987 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 19.8765, 0.2415, 0.1987 by changing the saturation by 10% instead.

■ 19.8765, 0.2415,
0.1987

■ 19.8765, 0.2415,
0.1987

251.2458, 0.2817,
0.2660

■ 12.3053, 0.2301,
0.1818

■ 43.2100, 0.2571,
0.2234

■ 6.9520, 0.2149,
0.1604

■ 59.7412, 0.2627,
0.2326

■ 3.4321, 0.1938,
0.1329

■ 80.0277, 0.2673,
0.2404

■ 1.3613, 0.1633,
0.0973

■ 104.4541, 0.2711,
0.2470

■ 0.1879, 0.1211,
0.0289

133.4047, 0.2744,
0.2528

■ 0.0000, 0.0000,
0.0000

167.2639, 0.2772,

0.2578

206.4161, 0.2796,
0.2622

■ 19.8765, 0.2415,
0.1987

■ 19.8765, 0.2415,
0.1987

■ 14.8146, 0.2217,
0.1646

■ 26.1252, 0.2606,
0.2326

■ 10.8619, 0.2022,
0.1323

■ 33.6273, 0.2784,
0.2647

■ 7.9348, 0.1845,
0.1041

■ 42.4472, 0.2943,
0.2941

■ 5.9369, 0.1699,
0.0823

■ 52.6440, 0.3083,
0.3206

■ 4.7530, 0.1593,
0.0683

■ 64.2733, 0.3205,
0.3440

■ 4.2892, 0.1546,
0.0625

■ 77.3876, 0.3310,
0.3645

■ 92.0369, 0.3399,
0.3823

■ 96.8579, 0.3466,
0.3850

Harmonies

Analogous

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



19.8765, 0.1849, 0.1949



19.8765, 0.2415, 0.1987



19.8765, 0.3274, 0.2274

Triad

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



19.8765, 0.2415, 0.1987



19.8765, 0.4896, 0.4017



19.8765, 0.2057, 0.3811

Complementary

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



19.8765, 0.2415, 0.1987



52.1297, 0.3670, 0.4387

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.



19.8765, 0.2779, 0.4737



19.8765, 0.2415, 0.1987



19.8765, 0.4420, 0.4642

Square

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



19.8765, 0.2415, 0.1987



19.8765, 0.4853, 0.3365



19.8765, 0.3644, 0.5011



19.8765, 0.1658, 0.2832

Rectangle

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



19.8765, 0.2415, 0.1987



19.8765, 0.3919, 0.2580



19.8765, 0.3644, 0.5011



19.8765, 0.2268, 0.4160

Sweetspot

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



19.8772, 0.2415, 0.1987



75.5671, 0.2947, 0.2948



43.4802, 0.2520, 0.3143



15.3782, 0.2913, 0.2885



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.



19.8772, 0.2415, 0.1987



26.7594, 0.2230, 0.1668



23.6691, 0.2826, 0.2122



10.3515, 0.3002, 0.3053



2.8099, 0.1553, 0.0629



0.1551, 0.1701, 0.0711

Inverse Universe

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



27.1831, 0.3295, 0.2354



41.4516, 0.3340, 0.2174



47.5820, 0.3312, 0.4529



10.7923, 0.3157, 0.3091



9.7697, 0.3558, 0.1733



0.4693, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 19.8765, 0.2415, 0.1987 looks on a white background.

Color Contrast Check

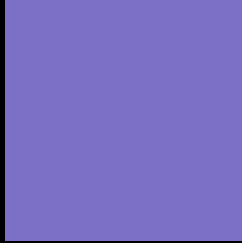
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8765, 0.2415, 0.1987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

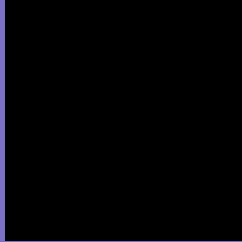
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8765, 0.2415, 0.1987

Background



This preview shows how black text looks on a background with the Yxy color 19.8765, 0.2415, 0.1987.



This preview shows how white text looks on a background with the Yxy color 19.8765, 0.2415, 0.1987.

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

19.8765, 0.2415, 0.1987

Protanopia

19.9639, 0.2126, 0.1939

Deuteranopia

19.9453, 0.2150, 0.2089



Tritanopia

19.9505, 0.2830, 0.3101

Trichromacy



Original Color

19.8765, 0.2415, 0.1987

Protanomaly

19.8011, 0.2219, 0.1952

Deuteranomaly

19.7663, 0.2230, 0.2040

Tritanomaly

19.7554, 0.2659, 0.2622

Monochromacy



Original Color

19.8765, 0.2415, 0.1987

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.9850, 0.2829, 0.2732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8765, 0.2415, 0.1987 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(123, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 198)  
}
```

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(123, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 198) }
```

Border

The CSS property to change the border of an element to Yxy 19.8765, 0.2415, 0.1987 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(123, 112, 198) }
```

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

```
.border{ border-color:rgb(123, 112, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8765, 0.2415, 0.1987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 198) }
```

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

```
.background{ background-color: rgb(123,  
112, 198) }
```

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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