

Converting Colors

$Y_{xy}(19.2824, 0.2203, 0.1644)$

Have a look what the booklet for
Yxy(19.2824, 0.2203, 0.1644)
contains.

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Color

Yxy(19.2824, 0.2203, 0.1644)

Conversions

Conversions Part 1

Format	Color
Hex	7669DF
RGB	118, 105, 223
RGB Percent	46%, 41%, 87%
CMY	0.5373, 0.5882, 0.1255
CMYK	0.47, 0.53, 0.00, 0.13
HSL	247°, 65%, 64%
HSV	247°, 53%, 87%
XYZ	25.8389, 19.2824, 72.1683
YIQ	122.3390, -30.1300, 39.4540

Conversions

Conversions Part 2

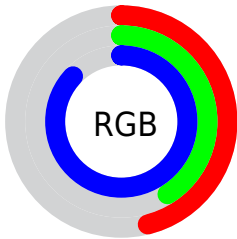
Format	Color
R _Y B	118, 105, 223
Decimal	7760351
CIE Lab	51.02, 35.04, -58.83
CIE LCh	51, 68.478, 300.778
Yxy	19.2824, 0.2203, 0.1644
Android (android.graphics.Color)	4285950431 (0xFF7669DF)
YUV	122.3390, 49.6259, -3.8053
Hunter-Lab	43.9117, 28.1888, -66.7040

Details

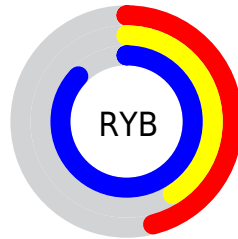
The Yxy color **19.2824, 0.2203, 0.1644** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **67.4987, 0.3790, 0.4608**, and the grayscale version is **19.4206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5640, 0.2547, 0.2152**, and **6.6158, 0.1882, 0.1223** is the 20% darker color. If you saturate the color by 10%, you get **14.0739, 0.2006, 0.1316**, and if you desaturate by 10%, it is **25.9752, 0.2405, 0.1990**.

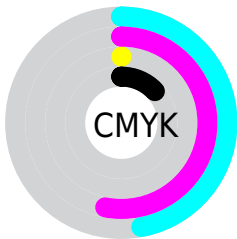
Distribution



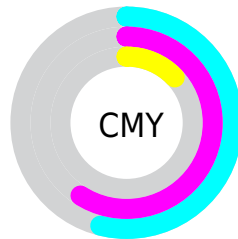
- Red (46%)
- Green (41%)
- Blue (87%)



- Red (46%)
- Yellow (41%)
- Blue (87%)



- Cyan (47%)
- Magenta (53%)
- Yellow (0%)
- Black (13%)





- Cyan (54%)
- Magenta (59%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2824, 0.2203, 0.1644 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 19.2824, 0.2203, 0.1644 by changing the saturation by 10% instead.


 19.2824, 0.2203,
0.1644

 19.2824, 0.2203,
0.1644


248.0034, 0.2717,
0.2457


 11.8745, 0.2065,
0.1457


 42.2107, 0.2399,
0.1930

 6.6583, 0.1886,
0.1230


 58.5000, 0.2470,
0.2041

 3.2493, 0.1650,
0.0957

 78.5185, 0.2529,
0.2136

 1.2632, 0.1332,
0.0636

 102.6506, 0.2579,
0.2218

 0.1125, 0.0930,
0.0108

131.2808, 0.2621,
0.2289

 0.0000, 0.0000,
0.0000

164.7933, 0.2658,

0.2352

203.5727, 0.2689,
0.2408

■ 19.2824, 0.2203,
0.1644

■ 19.2824, 0.2203,
0.1644

■ 14.0739, 0.2006,
0.1316

■ 25.9752, 0.2405,
0.1990

■ 10.2342, 0.1827,
0.1032

■ 34.2524, 0.2601,
0.2332

■ 7.6335, 0.1682,
0.0813

■ 44.2071, 0.2783,
0.2656


■ 6.1158, 0.1580,
0.0674

■ 55.9252, 0.2946,
0.2953

■ 5.5279, 0.1533,
0.0618

■ 69.4862, 0.3089,
0.3219

 84.9652, 0.3213,
0.3453

 98.1075, 0.3316,
0.3601

Harmonies

Analogous

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



19.2824, 0.1509, 0.1573



19.2824, 0.2203, 0.1644



19.2824, 0.3339, 0.1998

Triad

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



19.2824, 0.2203, 0.1644



19.2824, 0.5405, 0.4094



19.2824, 0.1664, 0.3941

Complementary

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



19.2824, 0.2203, 0.1644



67.4987, 0.3790, 0.4608

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.



19.2824, 0.2543, 0.5362



19.2824, 0.2203, 0.1644



19.2824, 0.4672, 0.4963

Square

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



19.2824, 0.2203, 0.1644



19.2824, 0.5478, 0.3305



19.2824, 0.3636, 0.5638



19.2824, 0.1234, 0.2571

Rectangle

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



19.2824, 0.2203, 0.1644



19.2824, 0.4237, 0.2372



19.2824, 0.3636, 0.5638



19.2824, 0.1912, 0.4476

Sweetspot

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



19.2830, 0.2203, 0.1644



70.4256, 0.2895, 0.2861



55.0178, 0.2418, 0.3131



14.3610, 0.2862, 0.2800



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.



19.2830, 0.2203, 0.1644



18.7330, 0.1995, 0.1299



24.6400, 0.2713, 0.1845



13.3150, 0.2997, 0.3049



3.2745, 0.1540, 0.0622



0.2515, 0.1637, 0.0676

Inverse Universe

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



30.4472, 0.3319, 0.2145



35.4623, 0.3365, 0.1969



60.4881, 0.3347, 0.4830



13.9083, 0.3155, 0.3084



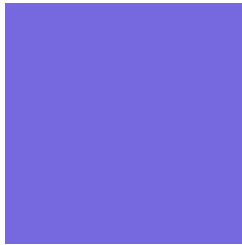
11.6454, 0.3506, 0.1705



0.8147, 0.3454, 0.1676

Previews

White Background



This preview shows how the Yxy color 19.2824, 0.2203, 0.1644 looks on a white background.

Color Contrast Check

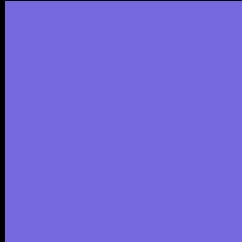
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2824, 0.2203, 0.1644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

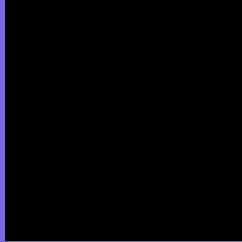
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2824, 0.2203, 0.1644

Background



This preview shows how black text looks on a background with the Yxy color 19.2824, 0.2203, 0.1644.



This preview shows how white text looks on a background with the Yxy color 19.2824, 0.2203, 0.1644.

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

19.2824, 0.2203, 0.1644

Protanopia

19.4568, 0.1837, 0.1567

Deuteranopia

19.3449, 0.1834, 0.1774



Tritanopia

19.3646, 0.2671, 0.3093

Trichromacy



Original Color

19.2824, 0.2203, 0.1644

Protanomaly

19.0756, 0.1930, 0.1585

Deuteranomaly

18.3111, 0.1876, 0.1681

Tritanomaly

18.9044, 0.2474, 0.2429

Monochromacy



Original Color

19.2824, 0.2203, 0.1644

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0589, 0.2724, 0.2546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2824, 0.2203, 0.1644 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(118, 105, 223)` looks like.

```
.text, #text, p{  
    color:rgb(118, 105, 223)  
}
```

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(118, 105, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 105, 223) }
```

Border

The CSS property to change the border of an element to Yxy 19.2824, 0.2203, 0.1644 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(118, 105, 223) }
```

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

```
.border{ border-color:rgb(118, 105, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 105, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 105, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 105, 223);  
box-shadow:4px 4px 4px 4px rgb(118, 105,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2824, 0.2203, 0.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 105, 223) }
```

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

```
.background{ background-color: rgb(118,  
105, 223) }
```

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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