

Converting Colors

$Y_{xy}(19.6595, 0.2306, 0.1831)$

Have a look what the booklet for
Yxy(19.6595, 0.2306, 0.1831)
contains.

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Color

Yxy(19.7484, 0.2312, 0.1839)

Conversions

Conversions Part 1

Format	Color
Hex	786ED1
RGB	120, 110, 209
RGB Percent	47%, 43%, 82%
CMY	0.5294, 0.5686, 0.1805
CMYK	0.43, 0.47, 0.00, 0.18
HSL	246°, 52%, 63%
HSV	246°, 47%, 82%
XYZ	24.8278, 19.7484, 62.8104
YIQ	124.2760, -25.8190, 32.9090

Conversions

Conversions Part 2

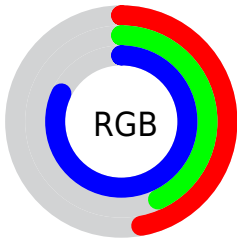
Format	Color
R _Y B	120, 110, 209
Decimal	7892689
CIE _{Lab}	51.55, 28.45, -50.02
CIE _{LCh}	52, 57.547, 299.631
Y _{xy}	19.7484, 0.2312, 0.1839
Android (android.graphics.Color)	4286082769 (0xFF786ED1)
YUV	124.2760, 41.7689, -3.7501
Hunter-Lab	44.4392, 21.9579, -52.6932

Details

The Yxy color **19.7484, 0.2312, 0.1839** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **58.8564, 0.3737, 0.4474**, and the grayscale version is **20.1180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2908, 0.2554, 0.2210**, and **6.8683, 0.2018, 0.1433** is the 20% darker color. If you saturate the color by 10%, you get **14.5445, 0.2110, 0.1499**, and if you desaturate by 10%, it is **26.2805, 0.2512, 0.2185**.

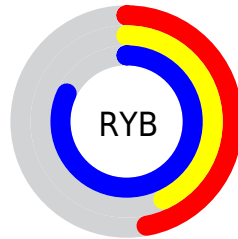
Distribution



Red (47%)

Green (43%)

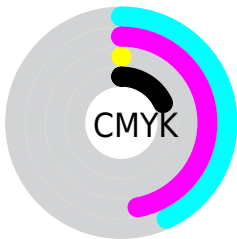
Blue (82%)



Red (47%)

Yellow (43%)

Blue (82%)

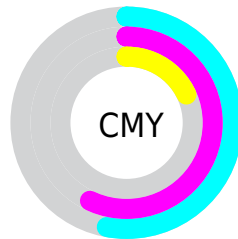


Cyan (43%)

Magenta (47%)

Yellow (0%)

Black (18%)



Cyan (53%)

Magenta (57%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7484, 0.2312, 0.1839 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 19.7484, 0.2312, 0.1839 by changing the saturation by 10% instead.

■ 19.7484, 0.2312,
0.1839

■ 19.7484, 0.2312,
0.1839

■ 250.5498, 0.2769,
0.2575

■ 12.2123, 0.2186,
0.1661

■ 42.9950, 0.2488,
0.2105

■ 6.8884, 0.2020,
0.1439

■ 59.4742, 0.2551,
0.2205

■ 3.3924, 0.1794,
0.1162

■ 79.7032, 0.2603,
0.2291

■ 1.3399, 0.1480,
0.0818

■ 104.0665, 0.2647,
0.2364

■ 0.1718, 0.1063,
0.0213

■ 132.9484, 0.2684,
0.2428

■ 0.0000, 0.0000,
0.0000

166.7333, 0.2716,

0.2483

205.8057, 0.2744,
0.2532

■ 19.7484, 0.2312,
0.1839

■ 19.7484, 0.2312,
0.1839

■ 14.5445, 0.2110,
0.1499

■ 26.2805, 0.2512,
0.2185

■ 10.5753, 0.1919,
0.1187

■ 34.2214, 0.2702,
0.2518

■ 7.7385, 0.1754,
0.0928

■ 43.6478, 0.2874,
0.2827

■ 5.9142, 0.1627,
0.0743

■ 54.6302, 0.3027,
0.3105

■ 4.9426, 0.1546,
0.0637

■ 67.2346, 0.3161,
0.3352

■ 4.7629, 0.1531,
0.0617

■ 81.5233, 0.3276,
0.3568

■ 96.7275, 0.3377,
0.3744

■ 97.3824, 0.3400,
0.3741

Harmonies

Analogous

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



19.7484, 0.1697, 0.1793



19.7484, 0.2312, 0.1839



19.7484, 0.3278, 0.2151

Triad

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



19.7484, 0.2312, 0.1839



19.7484, 0.5120, 0.4048



19.7484, 0.1911, 0.3892

Complementary

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



19.7484, 0.2312, 0.1839



58.8564, 0.3737, 0.4474

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.



19.7484, 0.2709, 0.4995



19.7484, 0.2312, 0.1839



19.7484, 0.4554, 0.4773

Square

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



19.7484, 0.2312, 0.1839



19.7484, 0.5099, 0.3334



19.7484, 0.3674, 0.5262



19.7484, 0.1484, 0.2749

Rectangle

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



19.7484, 0.2312, 0.1839



19.7484, 0.4023, 0.2484



19.7484, 0.3674, 0.5262



19.7484, 0.2142, 0.4310

Sweetspot

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



19.7491, 0.2312, 0.1839



73.7125, 0.2925, 0.2919



48.8022, 0.2478, 0.3151



15.0064, 0.2890, 0.2856



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.



19.7491, 0.2312, 0.1839



22.6059, 0.2104, 0.1489



24.2342, 0.2771, 0.2003



11.4740, 0.2997, 0.3051



2.9575, 0.1537, 0.0621



0.1853, 0.1645, 0.0680

Inverse Universe

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



28.8286, 0.3285, 0.2246



38.6470, 0.3326, 0.2055



53.1621, 0.3335, 0.4652



11.9876, 0.3153, 0.3084



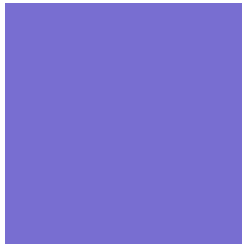
10.6021, 0.3479, 0.1690



0.5989, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 19.7484, 0.2312, 0.1839 looks on a white background.

Color Contrast Check

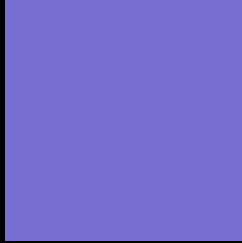
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7484, 0.2312, 0.1839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

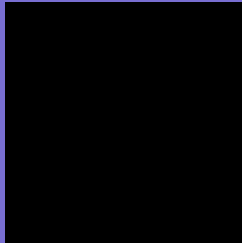
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7484, 0.2312, 0.1839

Background



This preview shows how black text looks on a background with the Yxy color 19.7484, 0.2312, 0.1839.



This preview shows how white text looks on a background with the Yxy color 19.7484, 0.2312, 0.1839.

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

19.7484, 0.2312, 0.1839

Protanopia

19.7921, 0.2003, 0.1783

Deuteranopia

19.9954, 0.2019, 0.1966



Tritanopia

19.8097, 0.2749, 0.3097

Trichromacy



Original Color

19.7484, 0.2312, 0.1839

Protanomaly

19.6724, 0.2094, 0.1797

Deuteranomaly

19.6299, 0.2099, 0.1907

Tritanomaly

19.5703, 0.2575, 0.2551

Monochromacy



Original Color

19.7484, 0.2312, 0.1839

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7712, 0.2788, 0.2665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7484, 0.2312, 0.1839 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(120, 110, 209)` looks like.

```
.text, #text, p{  
    color:rgb(120, 110, 209)  
}
```

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(120, 110, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 110, 209) }
```

Border

The CSS property to change the border of an element to Yxy 19.7484, 0.2312, 0.1839 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(120, 110, 209) }
```

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

```
.border{ border-color:rgb(120, 110, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 110, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 110, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 110, 209); box-shadow:4px 4px 4px 4px rgb(120, 110, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7484, 0.2312, 0.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 110, 209) }
```

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

```
.background{ background-color: rgb(120,  
110, 209) }
```

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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