

Converting Colors

$Y_{xy}(19.3956, 0.2426, 0.2050)$

Have a look what the booklet for
Yxy(19.3956, 0.2426, 0.2050)
contains.

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Color

Yxy(19.3161, 0.2422, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	7770C0
RGB	119, 112, 192
RGB Percent	47%, 44%, 75%
CMY	0.5332, 0.5608, 0.2470
CMYK	0.38, 0.42, 0.00, 0.25
HSL	245°, 39%, 60%
HSV	245°, 42%, 75%
XYZ	22.9219, 19.3161, 52.4024
YIQ	123.2130, -21.5080, 26.3640

Conversions

Conversions Part 2

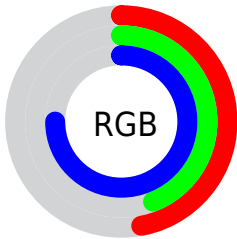
Format	Color
R _Y B	119, 112, 192
Decimal	7827648
CIE Lab	51.05, 22.19, -41.12
CIE LCh	51, 46.728, 298.357
Yxy	19.3161, 0.2422, 0.2041
Android (android.graphics.Color)	4286017728 (0xFF7770C0)
YUV	123.2130, 33.9120, -3.6948
Hunter-Lab	43.9501, 16.1829, -39.9273

Details

The Yxy color **19.3161, 0.2422, 0.2041** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.1896, 0.3678, 0.4331**, and the grayscale version is **19.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3891, 0.2578, 0.2285**, and **6.6600, 0.2156, 0.1657** is the 20% darker color. If you saturate the color by 10%, you get **14.3949, 0.2219, 0.1695**, and if you desaturate by 10%, it is **25.3705, 0.2618, 0.2380**.

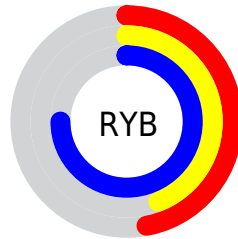
Distribution



Red (47%)

Green (44%)

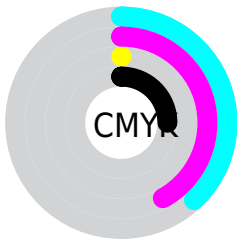
Blue (75%)



Red (47%)

Yellow (44%)

Blue (75%)

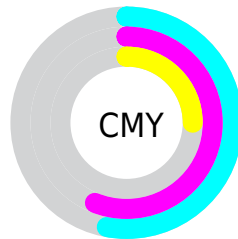


Cyan (38%)

Magenta (42%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (56%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3161, 0.2422, 0.2041 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 19.3161, 0.2422, 0.2041 by changing the saturation by 10% instead.

■ 19.3161, 0.2422,
0.2041

■ 19.3161, 0.2422,
0.2041

248.1883, 0.2821,
0.2695

■ 11.8989, 0.2308,
0.1874

■ 42.2676, 0.2578,
0.2283

■ 6.6749, 0.2155,
0.1660

■ 58.5706, 0.2633,
0.2373

■ 3.2596, 0.1940,
0.1381

■ 78.6044, 0.2679,
0.2448

■ 1.2687, 0.1626,
0.1015

■ 102.7533, 0.2717,
0.2512

■ 0.1168, 0.1178,
0.0211

131.4018, 0.2749,
0.2567

■ 0.0000, 0.0000,
0.0000

164.9342, 0.2777,

0.2615

203.7349, 0.2801,
0.2657

■ 19.3161, 0.2422,
0.2041

■ 19.3161, 0.2422,
0.2041

■ 14.3949, 0.2219,
0.1695

■ 25.3705, 0.2618,
0.2380

■ 10.5343, 0.2020,
0.1364

■ 32.6204, 0.2799,
0.2699

■ 7.6565, 0.1838,
0.1071

■ 41.1261, 0.2962,
0.2990

■ 5.6722, 0.1689,
0.0841

■ 50.9432, 0.3105,
0.3250

■ 4.4755, 0.1583,
0.0689

■ 62.1241, 0.3229,
0.3477

■ 3.9252, 0.1528,
0.0615

■ 74.7181, 0.3336,
0.3676

■ 88.7721, 0.3428,
0.3848

■ 96.5868, 0.3502,
0.3909

Harmonies

Analogous

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



19.3161, 0.1893, 0.2020



19.3161, 0.2422, 0.2041



19.3161, 0.3226, 0.2305

Triad

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



19.3161, 0.2422, 0.2041



19.3161, 0.4814, 0.3967



19.3161, 0.2145, 0.3829

Complementary

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



19.3161, 0.2422, 0.2041



49.1896, 0.3678, 0.4331

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.



19.3161, 0.2845, 0.4668



19.3161, 0.2422, 0.2041



19.3161, 0.4392, 0.4557

Square

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



19.3161, 0.2422, 0.2041



19.3161, 0.4736, 0.3343



19.3161, 0.3668, 0.4904



19.3161, 0.1742, 0.2904

Rectangle

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



19.3161, 0.2422, 0.2041



19.3161, 0.3832, 0.2594



19.3161, 0.3668, 0.4904



19.3161, 0.2351, 0.4149

Sweetspot

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



19.3168, 0.2422, 0.2041



71.9934, 0.2938, 0.2948



42.0965, 0.2548, 0.3190



14.6824, 0.2903, 0.2885



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.3168, 0.2422, 0.2041



26.7812, 0.2237, 0.1726



22.7299, 0.2814, 0.2165



9.7895, 0.2997, 0.3053



2.6555, 0.1533, 0.0618



0.1295, 0.1647, 0.0681

Inverse Universe

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



26.2964, 0.3251, 0.2356



41.1857, 0.3283, 0.2171



44.9291, 0.3329, 0.4463



10.2317, 0.3151, 0.3083



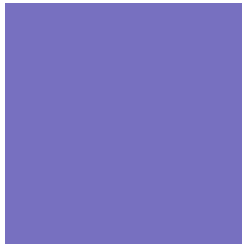
9.6316, 0.3441, 0.1669



0.4207, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 19.3161, 0.2422, 0.2041 looks on a white background.

Color Contrast Check

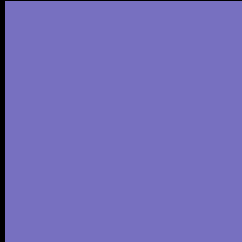
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3161, 0.2422, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

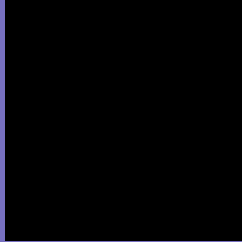
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3161, 0.2422, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 19.3161, 0.2422, 0.2041.

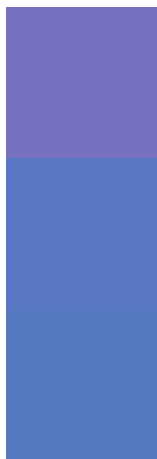


This preview shows how white text looks on a background with the Yxy color 19.3161, 0.2422, 0.2041.

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

19.3161, 0.2422, 0.2041

Protanopia

19.4445, 0.2176, 0.2014

Deuteranopia

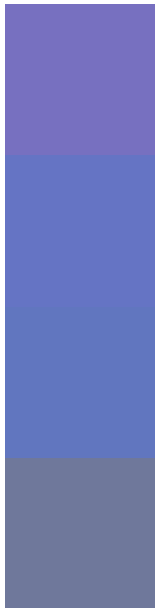
19.3237, 0.2194, 0.2133



Tritanopia

19.4526, 0.2817, 0.3117

Trichromacy



Original Color

19.3161, 0.2422, 0.2041

Protanomaly

19.2430, 0.2256, 0.2012

Deuteranomaly

19.2598, 0.2263, 0.2094

Tritanomaly

19.1790, 0.2663, 0.2661

Monochromacy



Original Color

19.3161, 0.2422, 0.2041

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4693, 0.2846, 0.2775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3161, 0.2422, 0.2041 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(119, 112, 192)` looks like.

```
.text, #text, p{  
    color:rgb(119, 112, 192)  
}
```

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(119, 112, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 112, 192) }
```

Border

The CSS property to change the border of an element to Yxy 19.3161, 0.2422, 0.2041 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(119, 112, 192) }
```

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

```
.border{ border-color:rgb(119, 112, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 112, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 112, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 112, 192);  
box-shadow:4px 4px 4px 4px rgb(119, 112,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3161, 0.2422, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 112, 192) }
```

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

```
.background{ background-color: rgb(119,  
112, 192) }
```

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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