

Converting Colors

$Y_{xy}(17.0003, 0.2244, 0.2028)$

Have a look what the booklet for
Yxy(17.0003, 0.2244, 0.2028)
contains.

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Color

Yxy(16.9818, 0.2243, 0.2021)

Conversions

Conversions Part 1

Format	Color
Hex	5D6EB9
RGB	93, 110, 185
RGB Percent	36%, 43%, 73%
CMY	0.6354, 0.5686, 0.2744
CMYK	0.50, 0.41, 0.00, 0.27
HSL	229°, 40%, 55%
HSV	229°, 50%, 73%
XYZ	18.8472, 16.9818, 48.1977
YIQ	113.4670, -34.2070, 19.7210

Conversions

Conversions Part 2

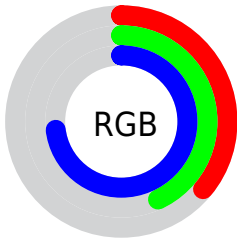
Format	Color
R _Y B	93, 107, 185
Decimal	6123193
CIE Lab	48.24, 14.68, -41.67
CIE LCh	48, 44.181, 289.411
Yxy	16.9818, 0.2243, 0.2021
Android (android.graphics.Color)	4284313273 (0xFF5D6EB9)
YUV	113.4670, 35.2658, -17.9496
Hunter-Lab	41.2090, 9.5224, -40.4989

Details

The Yxy color **16.9818, 0.2243, 0.2021** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.1127, 0.3950, 0.4293**, and the grayscale version is **16.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1964, 0.2434, 0.2268**, and **5.5510, 0.1914, 0.1618** is the 20% darker color. If you saturate the color by 10%, you get **13.1492, 0.2054, 0.1719**, and if you desaturate by 10%, it is **21.6029, 0.2438, 0.2318**.

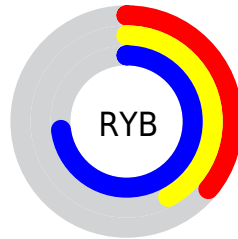
Distribution



Red (36%)

Green (43%)

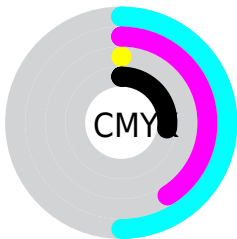
Blue (73%)



Red (36%)

Yellow (42%)

Blue (73%)

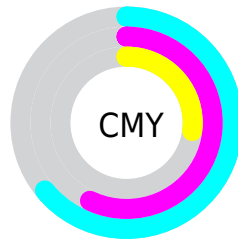


Cyan (50%)

Magenta (41%)

Yellow (0%)

Black (27%)



Cyan (64%)

Magenta (57%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.9818, 0.2243, 0.2021 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 16.9818, 0.2243, 0.2021 by changing the saturation by 10% instead.

■ 16.9818, 0.2243,
0.2021

■ 16.9818, 0.2243,
0.2021

235.0675, 0.2743,
0.2703

■ 10.2215, 0.2101,
0.1841

■ 38.2945, 0.2438,
0.2277

■ 5.5461, 0.1911,
0.1609

■ 53.6157, 0.2507,
0.2371

■ 2.5711, 0.1647,
0.1304

■ 72.5593, 0.2564,
0.2450

■ 0.9122, 0.1272,
0.0902

■ 95.5097, 0.2612,
0.2516

■ 0.0000, 0.0419,
0.0000

122.8513, 0.2652,
0.2573

■ 0.0000, 0.0000,
0.0000

154.9686, 0.2687,

0.2622

192.2458, 0.2717,
0.2665

■ 16.9818, 0.2243,
0.2021

■ 16.9818, 0.2243,
0.2021

■ 13.1492, 0.2054,
0.1719

■ 21.6029, 0.2438,
0.2318

■ 10.0582, 0.1880,
0.1427

■ 27.0523, 0.2628,
0.2598

■ 7.6593, 0.1733,
0.1163


■ 33.3690, 0.2810,
0.2857


■ 5.8962, 0.1623,
0.0942

■ 40.5890, 0.2978,
0.3089


■ 4.6857, 0.1550,
0.0776

■ 48.7464, 0.3131,
0.3295

 4.6609, 0.1548,
0.0773

 57.8734, 0.3269,
0.3476

 68.0006, 0.3392,
0.3633

 79.1573, 0.3501,
0.3770

 90.5081, 0.3566,
0.3895

Harmonies

Analogous

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



16.9818, 0.1808, 0.2080



16.9818, 0.2243, 0.2021



16.9818, 0.2967, 0.2215

Triad

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



16.9818, 0.2243, 0.2021



16.9818, 0.4829, 0.3778



16.9818, 0.2338, 0.4105

Complementary

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



16.9818, 0.2243, 0.2021



39.1127, 0.3950, 0.4293

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.



16.9818, 0.3091, 0.4791



16.9818, 0.2243, 0.2021



16.9818, 0.4544, 0.4384

Square

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



16.9818, 0.2243, 0.2021



16.9818, 0.4583, 0.3167



16.9818, 0.3897, 0.4828



16.9818, 0.1841, 0.3160

Rectangle

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



16.9818, 0.2243, 0.2021



16.9818, 0.3557, 0.2465



16.9818, 0.3897, 0.4828



16.9818, 0.2569, 0.4392

Sweetspot

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



16.9824, 0.2243, 0.2021



65.3636, 0.2887, 0.2964



39.8108, 0.2591, 0.3582



13.5199, 0.2852, 0.2915



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.9824, 0.2243, 0.2021



22.7917, 0.2031, 0.1683



15.3640, 0.2450, 0.1836



8.9811, 0.2984, 0.3098



3.2527, 0.1553, 0.0790



0.1967, 0.1677, 0.1238

Inverse Universe

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



19.2680, 0.4240, 0.3055



28.2338, 0.4657, 0.3019



42.7085, 0.3588, 0.4599



9.0386, 0.3259, 0.3248



7.1107, 0.6086, 0.3126



0.2590, 0.5413, 0.2755

Previews

White Background



This preview shows how the Yxy color 16.9818, 0.2243, 0.2021 looks on a white background.

Color Contrast Check

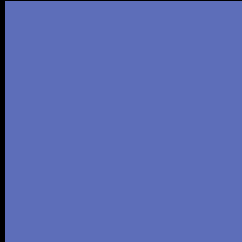
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9818, 0.2243, 0.2021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

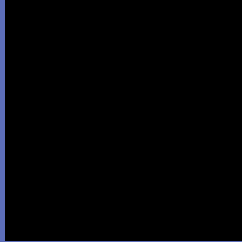
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9818, 0.2243, 0.2021

Background



This preview shows how black text looks on a background with the Yxy color 16.9818, 0.2243, 0.2021.

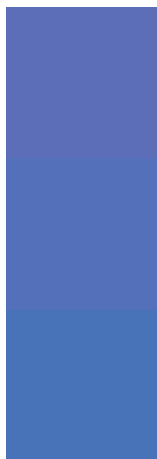


This preview shows how white text looks on a background with the Yxy color 16.9818, 0.2243, 0.2021.

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

16.9818, 0.2243, 0.2021

Protanopia

17.0610, 0.2172, 0.2012

Deuteranopia

17.1386, 0.2127, 0.2080



Tritanopia

17.0943, 0.2545, 0.3099

Trichromacy



Original Color

16.9818, 0.2243, 0.2021

Protanomaly

16.9403, 0.2195, 0.2013

Deuteranomaly

16.9764, 0.2165, 0.2057

Tritanomaly

16.9851, 0.2419, 0.2643

Monochromacy



Original Color

16.9818, 0.2243, 0.2021

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5166, 0.2748, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9818, 0.2243, 0.2021 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(93, 110, 185)` looks like.

```
.text, #text, p{  
    color:rgb(93, 110, 185)  
}
```

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(93, 110, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 110, 185) }
```

Border

The CSS property to change the border of an element to Yxy 16.9818, 0.2243, 0.2021 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(93, 110, 185) }
```

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

```
.border{ border-color:rgb(93, 110, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 110, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 110, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 110, 185);  
box-shadow:4px 4px 4px 4px rgb(93, 110,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9818, 0.2243, 0.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 110, 185) }
```

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

```
.background{ background-color: rgb(93, 110,  
185) }
```

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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