

Converting Colors

$Y_{xy}(21.5416, 0.2432, 0.2109)$

Have a look what the booklet for
Yxy(21.5416, 0.2432, 0.2109)
contains.

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Color

Yxy(21.6017, 0.2431, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	7A78C5
RGB	122, 120, 197
RGB Percent	48%, 47%, 77%
CMY	0.5216, 0.5294, 0.2276
CMYK	0.38, 0.39, 0.00, 0.23
HSL	242°, 40%, 62%
HSV	242°, 39%, 77%
XYZ	24.8175, 21.6017, 55.6683
YIQ	129.3760, -23.5250, 24.3710

Conversions

Conversions Part 2

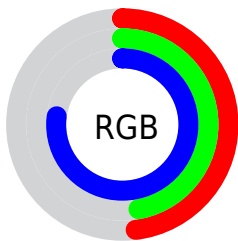
Format	Color
R_{YB}	122, 120, 197
Decimal	8026309
CIE _{Lab}	53.60, 19.57, -39.92
CIE _{LCh}	54, 44.459, 296.115
Yxy	21.6017, 0.2431, 0.2116
Android (android.graphics.Color)	4286216389 (0xFF7A78C5)
YUV	129.3760, 33.3386, -6.4688
Hunter-Lab	46.4776, 13.9770, -38.4799

Details

The Yxy color $21.6017, 0.2431, 0.2116$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52.8765, 0.3689, 0.4254$, and the grayscale version is $21.9790, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0079, 0.2581, 0.2338$, and $7.8831, 0.2181, 0.1767$ is the 20% darker color. If you saturate the color by 10%, you get $16.0765, 0.2220, 0.1764$, and if you desaturate by 10%, it is $28.3795, 0.2635, 0.2457$.

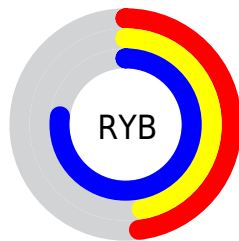
Distribution



Red (48%)

Green (47%)

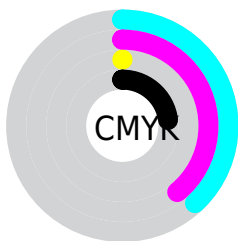
Blue (77%)



Red (48%)

Yellow (47%)

Blue (77%)

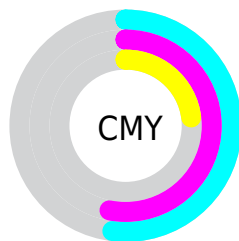


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (23%)



Cyan (52%)

Magenta (53%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6017, 0.2431, 0.2116 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 21.6017, 0.2431, 0.2116 by changing the saturation by 10% instead.

■ 21.6017, 0.2431,
0.2116

■ 21.6017, 0.2431,
0.2116

260.4591, 0.2818,
0.2726

■ 13.5645, 0.2323,
0.1961

■ 46.0868, 0.2580,
0.2341

■ 7.8184, 0.2179,
0.1763

■ 63.3035, 0.2634,
0.2424

■ 3.9790, 0.1980,
0.1504

■ 84.3489, 0.2678,
0.2495

■ 1.6618, 0.1691,
0.1160

109.6073, 0.2715,
0.2555

■ 0.3987, 0.1277,
0.0594

139.4631, 0.2747,
0.2606

■ 0.0000, 0.0000,
0.0000

174.3008, 0.2774,

0.2651

214.5047, 0.2798,
0.2691

■ 21.6017, 0.2431,
0.2116

■ 21.6017, 0.2431,
0.2116

■ 16.0765, 0.2220,
0.1764

■ 28.3795, 0.2635,
0.2457

■ 11.7251, 0.2013,
0.1421

■ 36.4775, 0.2823,
0.2774

■ 8.4632, 0.1825,
0.1113

■ 45.9615, 0.2992,
0.3060

■ 6.1946, 0.1673,
0.0866

■ 56.8921, 0.3140,
0.3312

■ 4.8061, 0.1568,
0.0699

■ 69.3262, 0.3269,
0.3532

■ 4.1139, 0.1511,
0.0611

■ 83.3178, 0.3380,
0.3721

■ 4.0628, 0.1507,
0.0604

■ 96.8100, 0.3472,
0.3860

Harmonies

Analogous

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



21.6017, 0.1954, 0.2119



21.6017, 0.2431, 0.2116



21.6017, 0.3161, 0.2348

Triad

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



21.6017, 0.2431, 0.2116



21.6017, 0.4697, 0.3895



21.6017, 0.2265, 0.3851

Complementary

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



21.6017, 0.2431, 0.2116



52.8765, 0.3689, 0.4254

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.



21.6017, 0.2934, 0.4577



21.6017, 0.2431, 0.2116



21.6017, 0.4349, 0.4440

Square

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



21.6017, 0.2431, 0.2116



21.6017, 0.4577, 0.3310



21.6017, 0.3697, 0.4762



21.6017, 0.1858, 0.3001

Rectangle

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



21.6017, 0.2431, 0.2116



21.6017, 0.3716, 0.2612



21.6017, 0.3697, 0.4762



21.6017, 0.2465, 0.4132

Sweetspot

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



21.6025, 0.2431, 0.2116



76.7848, 0.2941, 0.2975



47.3640, 0.2589, 0.3270



15.9440, 0.2919, 0.2937



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.



21.6025, 0.2431, 0.2116



30.0142, 0.2248, 0.1811



24.9153, 0.2786, 0.2222



10.3003, 0.2987, 0.3051



2.6787, 0.1509, 0.0605



0.1315, 0.1542, 0.0623

Inverse Universe

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



29.2412, 0.3192, 0.2358



45.6519, 0.3207, 0.2170



48.4656, 0.3362, 0.4369



10.8117, 0.3142, 0.3068



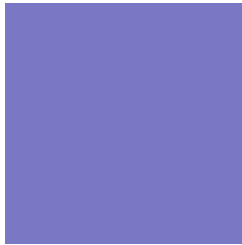
10.3102, 0.3274, 0.1577



0.4897, 0.3260, 0.1569

Previews

White Background



This preview shows how the Yxy color 21.6017, 0.2431, 0.2116 looks on a white background.

Color Contrast Check

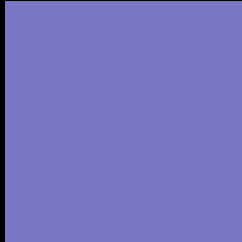
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6017, 0.2431, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

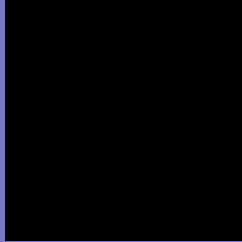
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6017, 0.2431, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 21.6017, 0.2431, 0.2116.



This preview shows how white text looks on a background with the Yxy color 21.6017, 0.2431, 0.2116.

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

21.6017, 0.2431, 0.2116

Protanopia

21.5841, 0.2235, 0.2084

Deuteranopia

21.8114, 0.2257, 0.2208



Tritanopia

21.7067, 0.2781, 0.3105

Trichromacy



Original Color

21.6017, 0.2431, 0.2116

Protanomaly

21.4618, 0.2298, 0.2092

Deuteranomaly

21.6560, 0.2313, 0.2166

Tritanomaly

21.6244, 0.2646, 0.2702

Monochromacy



Original Color

21.6017, 0.2431, 0.2116

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.6904, 0.2837, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6017, 0.2431, 0.2116 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(122, 120, 197)` looks like.

```
.text, #text, p{  
    color:rgb(122, 120, 197)  
}
```

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(122, 120, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 120, 197) }
```

Border

The CSS property to change the border of an element to Yxy 21.6017, 0.2431, 0.2116 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(122, 120, 197) }
```

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

```
.border{ border-color:rgb(122, 120, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 120, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 120, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 120, 197);  
box-shadow:4px 4px 4px 4px rgb(122, 120,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6017, 0.2431, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 120, 197) }
```

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

```
.background{ background-color: rgb(122,  
120, 197) }
```

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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