

Converting Colors

$Y_{xy}(19.7629, 0.2808, 0.2555)$

Have a look what the booklet for
Yxy(19.7629, 0.2808, 0.2555)
contains.

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Color

Yxy(19.6960, 0.2801, 0.2549)

Conversions

Conversions Part 1

Format	Color
Hex	8174A0
RGB	129, 116, 160
RGB Percent	51%, 45%, 63%
CMY	0.4942, 0.5451, 0.3724
CMYK	0.19, 0.28, 0.00, 0.37
HSL	258°, 19%, 54%
HSV	258°, 28%, 63%
XYZ	21.6432, 19.6960, 35.9303
YIQ	124.9030, -6.3760, 16.4400

Conversions

Conversions Part 2

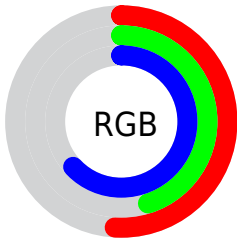
Format	Color
R_{YB}	129, 116, 160
Decimal	8484000
CIE _{Lab}	51.49, 14.41, -21.84
CIE _{LCh}	51, 26.169, 303.421
Yxy	19.6960, 0.2801, 0.2549
Android (android.graphics.Color)	4286674080 (0xFF8174A0)
YUV	124.9030, 17.3028, 3.5931
Hunter-Lab	44.3802, 9.3850, -16.9352

Details

The Yxy color $19.6960, 0.2801, 0.2549$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $32.6196, 0.3397, 0.3990$, and the grayscale version is $20.4162, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.8566, 0.2873, 0.2703$, and $6.8792, 0.2669, 0.2295$ is the 20% darker color. If you saturate the color by 10%, you get $15.4842, 0.2653, 0.2240$, and if you desaturate by 10%, it is $24.6426, 0.2934, 0.2839$.

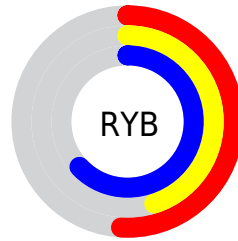
Distribution



Red (51%)

Green (45%)

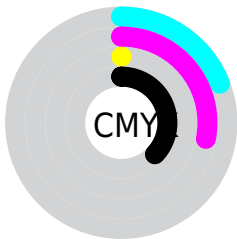
Blue (63%)



Red (51%)

Yellow (45%)

Blue (63%)

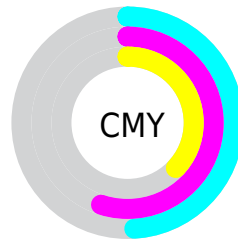


Cyan (19%)

Magenta (28%)

Yellow (0%)

Black (37%)



Cyan (49%)

Magenta (55%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6960, 0.2801, 0.2549 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 19.6960, 0.2801, 0.2549 by changing the saturation by 10% instead.

■ 19.6960, 0.2801,
0.2549

■ 19.6960, 0.2801,
0.2549

■ 250.2646, 0.2990,
0.2954

■ 12.1743, 0.2743,
0.2436

■ 42.9069, 0.2877,
0.2705

■ 6.8625, 0.2662,
0.2284

■ 59.3649, 0.2903,
0.2761

■ 3.3762, 0.2540,
0.2068

■ 79.5704, 0.2924,
0.2807

■ 1.3312, 0.2338,
0.1744

■ 103.9078, 0.2942,
0.2845

■ 0.1651, 0.1966,
0.0638

■ 132.7615, 0.2957,
0.2879

■ 0.0000, 0.0000,
0.0000

166.5160, 0.2970,

0.2907

205.5555, 0.2981,
0.2932

■ 19.6960, 0.2801,
0.2549

■ 19.6960, 0.2801,
0.2549

■ 15.4842, 0.2653,
0.2240

■ 24.6426, 0.2934,
0.2839

■ 11.9690, 0.2492,
0.1923

■ 30.3547, 0.3050,
0.3106

■ 9.1125, 0.2323,
0.1610

■ 36.8645, 0.3151,
0.3348

■ 6.8718, 0.2153,
0.1319

■ 44.2013, 0.3237,
0.3563

■ 5.1993, 0.1992,
0.1069

■ 52.3930, 0.3311,
0.3755

4.0394, 0.1849,
0.0875

61.4664, 0.3373,
0.3924

3.3031, 0.1731,
0.0742

71.4468, 0.3426,
0.4072

3.1472, 0.1705,
0.0713

82.3586, 0.3470,
0.4203

90.9740, 0.3521,
0.4276

Harmonies

Analogous

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



19.6960, 0.2436, 0.2522



19.6960, 0.2801, 0.2549



19.6960, 0.3284, 0.2739

Triad

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



19.6960, 0.2801, 0.2549



19.6960, 0.4076, 0.3809



19.6960, 0.2515, 0.3509

Complementary

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



19.6960, 0.2801, 0.2549



32.6196, 0.3397, 0.3990

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.



19.6960, 0.2920, 0.3951



19.6960, 0.2801, 0.2549



19.6960, 0.3828, 0.4093

Square

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



19.6960, 0.2801, 0.2549



19.6960, 0.4054, 0.3433



19.6960, 0.3401, 0.4167



19.6960, 0.2281, 0.3032

Rectangle

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



19.6960, 0.2801, 0.2549



19.6960, 0.3610, 0.2938



19.6960, 0.3401, 0.4167



19.6960, 0.2634, 0.3670

Sweetspot

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



19.6968, 0.2801, 0.2549



54.3824, 0.3043, 0.3090



27.2925, 0.2716, 0.3079



11.5841, 0.3027, 0.3053



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



19.6968, 0.2801, 0.2549



30.9114, 0.2712, 0.2362



21.5617, 0.3046, 0.2600



6.5253, 0.3031, 0.3062



2.4712, 0.1713, 0.0717



0.0645, 0.2138, 0.0952

Inverse Universe

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



22.0767, 0.3310, 0.2808



36.0183, 0.3362, 0.2698



30.8128, 0.3181, 0.4040



6.7212, 0.3180, 0.3134



6.7558, 0.4104, 0.2034



0.1278, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 19.6960, 0.2801, 0.2549 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 19.6960, 0.2801, 0.2549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

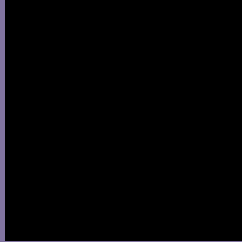
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6960, 0.2801, 0.2549

Background



This preview shows how black text looks on a background with the Yxy color 19.6960, 0.2801, 0.2549.



This preview shows how white text looks on a background with the Yxy color 19.6960, 0.2801, 0.2549.

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

19.6960, 0.2801, 0.2549

Protanopia

19.7346, 0.2586, 0.2540

Deuteranopia

19.8228, 0.2669, 0.2624



Tritanopia

19.5985, 0.3051, 0.3107

Trichromacy



Original Color

19.6960, 0.2801, 0.2549

Protanomaly

19.6895, 0.2660, 0.2533

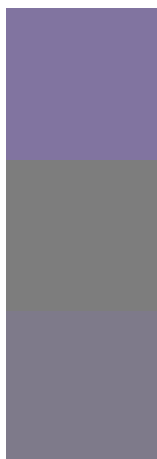
Deuteranomaly

19.6899, 0.2718, 0.2597

Tritanomaly

19.5823, 0.2954, 0.2881

Monochromacy



Original Color

19.6960, 0.2801, 0.2549

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1897, 0.2998, 0.3003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6960, 0.2801, 0.2549 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(129, 116, 160)` looks like.

```
.text, #text, p{  
    color:rgb(129, 116, 160)  
}
```

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(129, 116, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 116, 160) }
```

Border

The CSS property to change the border of an element to Yxy 19.6960, 0.2801, 0.2549 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(129, 116, 160) }
```

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

```
.border{ border-color:rgb(129, 116, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 116, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 116, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 116, 160);  
box-shadow:4px 4px 4px 4px rgb(129, 116,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6960, 0.2801, 0.2549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 116, 160) }
```

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

```
.background{ background-color: rgb(129,  
116, 160) }
```

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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