

Converting Colors

$Y_{xy}(19.2686, 0.2887, 0.2688)$

Have a look what the booklet for
Yxy(19.2686, 0.2887, 0.2688)
contains.

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Color

Yxy(19.3143, 0.2881, 0.2684)

Conversions

Conversions Part 1

Format	Color
Hex	807497
RGB	128, 116, 151
RGB Percent	50%, 45%, 59%
CMY	0.4981, 0.5451, 0.4078
CMYK	0.15, 0.23, 0.00, 0.41
HSL	261°, 14%, 52%
HSV	261°, 23%, 59%
XYZ	20.7319, 19.3143, 31.9146
YIQ	123.5780, -4.0830, 13.4290

Conversions

Conversions Part 2

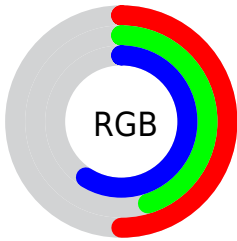
Format	Color
R_{YB}	128, 116, 151
Decimal	8418455
CIE _{Lab}	51.05, 11.96, -17.25
CIE _{LCh}	51, 20.986, 304.739
Yxy	19.3143, 0.2881, 0.2684
Android (android.graphics.Color)	4286608535 (0xFF807497)
YUV	123.5780, 13.5190, 3.8781
Hunter-Lab	43.9480, 7.2960, -12.2922

Details

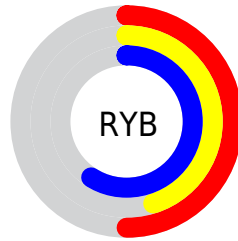
The Yxy color **19.3143, 0.2881, 0.2684** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8864, 0.3336, 0.3875**, and the grayscale version is **19.9637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2368, 0.2940, 0.2818**, and **6.6740, 0.2768, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **15.3792, 0.2750, 0.2388**, and if you desaturate by 10%, it is **23.8923, 0.2997, 0.2961**.

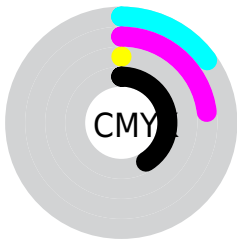
Distribution



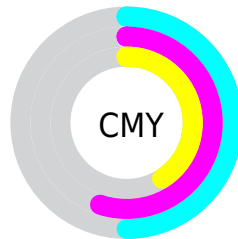
- Red (50%)
- Green (45%)
- Blue (59%)



- Red (50%)
- Yellow (45%)
- Blue (59%)



- Cyan (15%)
- Magenta (23%)
- Yellow (0%)
- Black (41%)



- Cyan (50%)
- Magenta (55%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3143, 0.2881, 0.2684 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 19.3143, 0.2881, 0.2684 by changing the saturation by 10% instead.

■ 19.3143, 0.2881,
0.2684

■ 19.3143, 0.2881,
0.2684

■ 248.1784, 0.3024,
0.3019

■ 11.8976, 0.2837,
0.2588

■ 42.2645, 0.2939,
0.2814

■ 6.6740, 0.2773,
0.2457

■ 58.5668, 0.2959,
0.2861

■ 3.2591, 0.2676,
0.2267

■ 78.5998, 0.2975,
0.2899

■ 1.2684, 0.2512,
0.1972

■ 102.7478, 0.2988,
0.2931

■ 0.1166, 0.2119,
0.0613

■ 131.3953, 0.3000,
0.2958

■ 0.0000, 0.0000,
0.0000

164.9267, 0.3009,

0.2981

203.7262, 0.3017,
0.3001

■ 19.3143, 0.2881,
0.2684

■ 19.3143, 0.2881,
0.2684

■ 15.3792, 0.2750,
0.2388

■ 23.8923, 0.2997,
0.2961

■ 12.0552, 0.2605,
0.2080

■ 29.1383, 0.3098,
0.3215

■ 9.3111, 0.2449,
0.1771

■ 35.0790, 0.3185,
0.3444

■ 7.1123, 0.2288,
0.1475

■ 41.7389, 0.3259,
0.3649

■ 5.4201, 0.2129,
0.1211

■ 49.1413, 0.3322,
0.3831

■ 4.1905, 0.1980,
0.0993

■ 57.3084, 0.3375,
0.3993

■ 3.3718, 0.1850,
0.0835

■ 66.2616, 0.3419,
0.4135

■ 2.9564, 0.1772,
0.0750

■ 76.0213, 0.3457,
0.4261

■ 86.6071, 0.3489,
0.4373

Harmonies

Analogous

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



19.3143, 0.2573, 0.2659



19.3143, 0.2881, 0.2684



19.3143, 0.3275, 0.2847

Triad

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



19.3143, 0.2881, 0.2684



19.3143, 0.3890, 0.3735



19.3143, 0.2619, 0.3452

Complementary

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



19.3143, 0.2881, 0.2684



28.8864, 0.3336, 0.3875

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.



19.3143, 0.2948, 0.3802



19.3143, 0.2881, 0.2684



19.3143, 0.3687, 0.3950

Square

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



19.3143, 0.2881, 0.2684



19.3143, 0.3879, 0.3430



19.3143, 0.3339, 0.3987



19.3143, 0.2429, 0.3074

Rectangle

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



19.3143, 0.2881, 0.2684



19.3143, 0.3534, 0.3016



19.3143, 0.3339, 0.3987



19.3143, 0.2716, 0.3579

Sweetspot

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



19.3151, 0.2881, 0.2684



48.3099, 0.3060, 0.3117



24.5113, 0.2779, 0.3086



10.8676, 0.3055, 0.3104



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.3151, 0.2881, 0.2684



30.6545, 0.2812, 0.2527



20.7622, 0.3083, 0.2719



6.1240, 0.3039, 0.3064



2.5295, 0.1778, 0.0753



0.0566, 0.2249, 0.1012

Inverse Universe

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



20.9368, 0.3295, 0.2914



34.1379, 0.3344, 0.2824



27.5213, 0.3156, 0.3909



6.2877, 0.3187, 0.3145



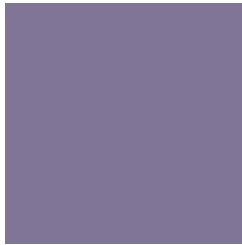
6.3741, 0.4279, 0.2131



0.1021, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 19.3143, 0.2881, 0.2684 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 19.3143, 0.2881, 0.2684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

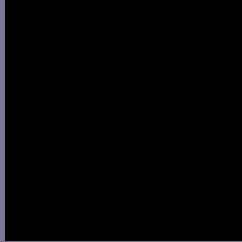
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3143, 0.2881, 0.2684

Background



This preview shows how black text looks on a background with the Yxy color 19.3143, 0.2881, 0.2684.



This preview shows how white text looks on a background with the Yxy color 19.3143, 0.2881, 0.2684.

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

19.3143, 0.2881, 0.2684

Protanopia

19.2767, 0.2692, 0.2681

Deuteranopia

19.3176, 0.2793, 0.2737



Tritanopia

19.3030, 0.3074, 0.3124

Trichromacy



Original Color

19.3143, 0.2881, 0.2684

Protanomaly

19.3451, 0.2753, 0.2687

Deuteranomaly

19.2965, 0.2825, 0.2724

Tritanomaly

19.3598, 0.2997, 0.2965

Monochromacy



Original Color

19.3143, 0.2881, 0.2684

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7559, 0.3030, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3143, 0.2881, 0.2684 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(128, 116, 151)` looks like.

```
.text, #text, p{  
    color:rgb(128, 116, 151)  
}
```

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(128, 116, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 116, 151) }
```

Border

The CSS property to change the border of an element to Yxy 19.3143, 0.2881, 0.2684 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(128, 116, 151) }
```

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

```
.border{ border-color:rgb(128, 116, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 116, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 116, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 116, 151);  
box-shadow:4px 4px 4px 4px rgb(128, 116,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3143, 0.2881, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 116, 151) }
```

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

```
.background{ background-color: rgb(128,  
116, 151) }
```

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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