

Converting Colors

$Y_{xy}(19.8101, 0.2809, 0.2491)$

Have a look what the booklet for
Yxy(19.8101, 0.2809, 0.2491)
contains.

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Color

Yxy(19.8924, 0.2815, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	8573A3
RGB	133, 115, 163
RGB Percent	52%, 45%, 64%
CMY	0.4786, 0.5489, 0.3608
CMYK	0.18, 0.29, 0.00, 0.36
HSL	262°, 21%, 55%
HSV	262°, 29%, 64%
XYZ	22.4078, 19.8924, 37.3012
YIQ	125.8540, -4.6800, 18.7440

Conversions

Conversions Part 2

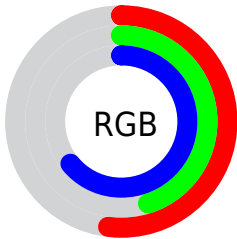
Format	Color
R_{YB}	133, 115, 163
Decimal	8745891
CIE _{Lab}	51.72, 17.00, -23.19
CIE _{LCh}	52, 28.758, 306.248
Yxy	19.8924, 0.2815, 0.2499
Android (android.graphics.Color)	4286935971 (0xFF8573A3)
YUV	125.8540, 18.3130, 6.2670
Hunter-Lab	44.6009, 11.6281, -18.3656

Details

The Yxy color $19.8924, 0.2815, 0.2499$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $33.4516, 0.3377, 0.4053$, and the grayscale version is $20.7487, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.2642, 0.2891, 0.2663$, and $7.0010, 0.2690, 0.2230$ is the 20% darker color. If you saturate the color by 10%, you get $15.7078, 0.2680, 0.2195$, and if you desaturate by 10%, it is $24.8166, 0.2935, 0.2788$.

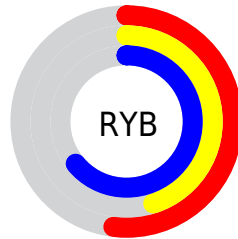
Distribution



Red (52%)

Green (45%)

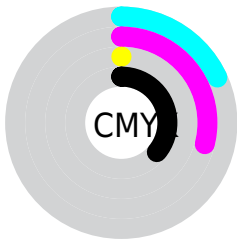
Blue (64%)



Red (52%)

Yellow (45%)

Blue (64%)

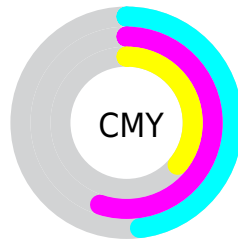


Cyan (18%)

Magenta (29%)

Yellow (0%)

Black (36%)



Cyan (48%)

Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8924, 0.2815, 0.2499 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 19.8924, 0.2815, 0.2499 by changing the saturation by 10% instead.

■ 19.8924, 0.2815,
0.2499

■ 19.8924, 0.2815,
0.2499

251.3320, 0.2997,
0.2928

■ 12.3169, 0.2759,
0.2381

■ 43.2367, 0.2888,
0.2663

■ 6.9599, 0.2681,
0.2222

■ 59.7743, 0.2914,
0.2722

■ 3.4370, 0.2562,
0.2000

■ 80.0679, 0.2934,
0.2771

■ 1.3639, 0.2367,
0.1671

■ 104.5021, 0.2951,
0.2812

■ 0.1899, 0.2056,
0.0655

133.4613, 0.2965,
0.2848

■ 0.0000, 0.0000,
0.0000

167.3297, 0.2977,

0.2878

206.4918, 0.2988,
0.2905

■ 19.8924, 0.2815,
0.2499

■ 19.8924, 0.2815,
0.2499

■ 15.7078, 0.2680,
0.2195

■ 24.8166, 0.2935,
0.2788

■ 12.2234, 0.2534,
0.1887

■ 30.5121, 0.3041,
0.3058

■ 9.3998, 0.2379,
0.1588

■ 37.0119, 0.3132,
0.3303

■ 7.1927, 0.2223,
0.1314

■ 44.3463, 0.3210,
0.3525

■ 5.5519, 0.2073,
0.1081

■ 52.5438, 0.3276,
0.3723

■ 4.4191, 0.1936,
0.0904

■ 61.6317, 0.3331,
0.3900

■ 3.6728, 0.1819,
0.0779

■ 71.6362, 0.3378,
0.4056

■ 3.6339, 0.1813,
0.0772

■ 82.5822, 0.3417,
0.4194

■ 90.1387, 0.3466,
0.4258

Harmonies

Analogous

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



19.8924, 0.2404, 0.2450



19.8924, 0.2815, 0.2499



19.8924, 0.3349, 0.2719

Triad

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



19.8924, 0.2815, 0.2499



19.8924, 0.4150, 0.3885



19.8924, 0.2425, 0.3477

Complementary

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



19.8924, 0.2815, 0.2499



33.4516, 0.3377, 0.4053

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.



19.8924, 0.2850, 0.3981



19.8924, 0.2815, 0.2499



19.8924, 0.3852, 0.4186

Square

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



19.8924, 0.2815, 0.2499



19.8924, 0.4159, 0.3479



19.8924, 0.3372, 0.4248



19.8924, 0.2194, 0.2960

Rectangle

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



19.8924, 0.2815, 0.2499



19.8924, 0.3702, 0.2940



19.8924, 0.3372, 0.4248



19.8924, 0.2549, 0.3658

Sweetspot

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



19.8932, 0.2815, 0.2499



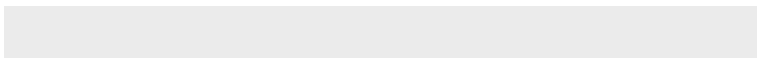
54.9411, 0.3043, 0.3064



26.6629, 0.2680, 0.2994



11.9993, 0.3030, 0.3028



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.8932, 0.2815, 0.2499



30.8186, 0.2733, 0.2311



22.0372, 0.3086, 0.2559



6.9829, 0.3042, 0.3062



2.8490, 0.1822, 0.0777



0.0862, 0.2253, 0.1015

Inverse Universe

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



22.0974, 0.3372, 0.2828



35.4583, 0.3441, 0.2728



31.5223, 0.3147, 0.4110



7.1570, 0.3192, 0.3150



6.8070, 0.4406, 0.2201



0.1517, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 19.8924, 0.2815, 0.2499 looks on a white background.

Color Contrast Check

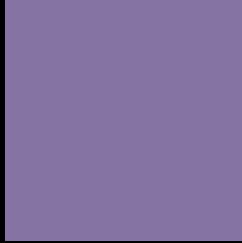
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8924, 0.2815, 0.2499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

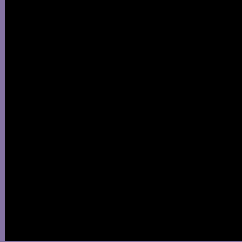
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8924, 0.2815, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 19.8924, 0.2815, 0.2499.



This preview shows how white text looks on a background with the Yxy color 19.8924, 0.2815, 0.2499.

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

19.8924, 0.2815, 0.2499

Protanopia

20.0612, 0.2546, 0.2496

Deuteranopia

19.9282, 0.2643, 0.2578



Tritanopia

19.8255, 0.3087, 0.3109

Trichromacy



Original Color

19.8924, 0.2815, 0.2499

Protanomaly

19.7984, 0.2634, 0.2489

Deuteranomaly

19.9399, 0.2711, 0.2556

Tritanomaly

19.8439, 0.2979, 0.2868

Monochromacy



Original Color

19.8924, 0.2815, 0.2499

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4503, 0.3022, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8924, 0.2815, 0.2499 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(133, 115, 163)` looks like.

```
.text, #text, p{  
    color:rgb(133, 115, 163)  
}
```

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(133, 115, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 115, 163) }
```

Border

The CSS property to change the border of an element to Yxy 19.8924, 0.2815, 0.2499 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(133, 115, 163) }
```

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

```
.border{ border-color:rgb(133, 115, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 115, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 115, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 115, 163);  
box-shadow:4px 4px 4px 4px rgb(133, 115,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8924, 0.2815, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 115, 163) }
```

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

```
.background{ background-color: rgb(133,  
115, 163) }
```

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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