

Converting Colors

$Y_{xy}(19.2867, 0.2613, 0.2461)$

Have a look what the booklet for
Yxy(19.2867, 0.2613, 0.2461)
contains.

Yxy(19.1888, 0.2610, 0.2449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.1888, 0.2610, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	7475A6
RGB	116, 117, 166
RGB Percent	45%, 46%, 65%
CMY	0.5450, 0.5412, 0.3489
CMYK	0.30, 0.30, 0.00, 0.35
HSL	239°, 22%, 55%
HSV	239°, 30%, 65%
XYZ	20.4503, 19.1888, 38.7145
YIQ	122.2870, -16.3250, 15.0270

Conversions

Conversions Part 2

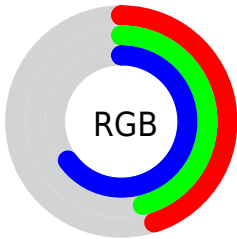
Format	Color
R_{YB}	116, 117, 166
Decimal	7632294
CIE _{Lab}	50.91, 11.22, -26.33
CIE _{LCh}	51, 28.621, 293.073
Yxy	19.1888, 0.2610, 0.2449
Android (android.graphics.Color)	4285822374 (0xFF7475A6)
YUV	122.2870, 21.5505, -5.5137
Hunter-Lab	43.8050, 6.6736, -21.7365

Details

The Yxy color $19.1888, 0.2610, 0.2449$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $36.3004, 0.3575, 0.4012$, and the grayscale version is $19.4944, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.0314, 0.2728, 0.2629$, and $6.6294, 0.2403, 0.2149$ is the 20% darker color. If you saturate the color by 10%, you get $14.6823, 0.2406, 0.2115$, and if you desaturate by 10%, it is $24.5599, 0.2800, 0.2760$.

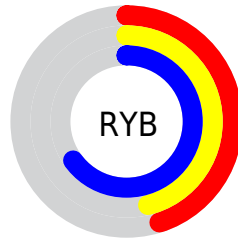
Distribution



Red (45%)

Green (46%)

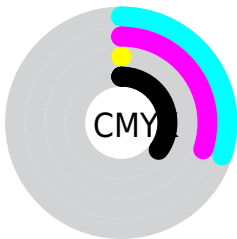
Blue (65%)



Red (45%)

Yellow (46%)

Blue (65%)

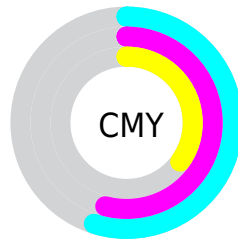


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (35%)



Cyan (55%)

Magenta (54%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1888, 0.2610, 0.2449 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 19.1888, 0.2610, 0.2449 by changing the saturation by 10% instead.

■ 19.1888, 0.2610,
0.2449

■ 19.1888, 0.2610,
0.2449

■ 247.4891, 0.2905,
0.2909

■ 11.8068, 0.2523,
0.2321

■ 42.0529, 0.2727,
0.2626

■ 6.6122, 0.2401,
0.2149

■ 58.3037, 0.2768,
0.2690

■ 3.2208, 0.2224,
0.1907

■ 78.2797, 0.2801,
0.2742

■ 1.2481, 0.1944,
0.1551

■ 102.3650, 0.2829,
0.2786

■ 0.1005, 0.1322,
0.0360

■ 130.9443, 0.2853,
0.2824

■ 0.0000, 0.0000,
0.0000

164.4018, 0.2873,

0.2856

203.1219, 0.2890,
0.2884

■ 19.1888, 0.2610,
0.2449

■ 19.1888, 0.2610,
0.2449

■ 14.6823, 0.2406,
0.2115

■ 24.5599, 0.2800,
0.2760

■ 10.9931, 0.2196,
0.1769

■ 30.8349, 0.2973,
0.3040

■ 8.0728, 0.1992,
0.1433

■ 38.0537, 0.3125,
0.3287

■ 5.8673, 0.1809,
0.1128

■ 46.2530, 0.3259,
0.3503

■ 4.3151, 0.1662,
0.0882

■ 55.4675, 0.3375,
0.3690

■ 3.3444, 0.1561,
0.0711

■ 65.7303, 0.3475,
0.3851

■ 2.8243, 0.1504,
0.0614

■ 77.0730, 0.3561,
0.3989

■ 89.5258, 0.3635,
0.4108

■ 95.5341, 0.3655,
0.4162

Harmonies

Analogous

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



19.1888, 0.2278, 0.2485



19.1888, 0.2610, 0.2449



19.1888, 0.3107, 0.2599

Triad

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



19.1888, 0.2610, 0.2449



19.1888, 0.4201, 0.3715



19.1888, 0.2588, 0.3717

Complementary

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



19.1888, 0.2610, 0.2449



36.3004, 0.3575, 0.4012

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.



19.1888, 0.3074, 0.4145



19.1888, 0.2610, 0.2449



19.1888, 0.4018, 0.4080

Square

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



19.1888, 0.2610, 0.2449



19.1888, 0.4068, 0.3293



19.1888, 0.3599, 0.4266



19.1888, 0.2263, 0.3173

Rectangle

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



19.1888, 0.2610, 0.2449



19.1888, 0.3476, 0.2786



19.1888, 0.3599, 0.4266



19.1888, 0.2737, 0.3885

Sweetspot

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



19.1895, 0.2610, 0.2449



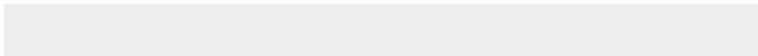
57.1155, 0.2988, 0.3065



33.6896, 0.2714, 0.3316



12.3944, 0.2965, 0.3028



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.1895, 0.2610, 0.2449



29.2878, 0.2477, 0.2232



20.7692, 0.2857, 0.2489



7.3231, 0.2986, 0.3061



2.1975, 0.1505, 0.0616



0.0606, 0.1525, 0.0688

Inverse Universe

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



21.8894, 0.3771, 0.3277



34.9982, 0.3974, 0.3274



34.3553, 0.3337, 0.4085



7.5446, 0.3283, 0.3286



6.2929, 0.6374, 0.3285



0.1538, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 19.1888, 0.2610, 0.2449 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 19.1888, 0.2610, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

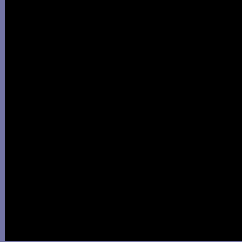
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1888, 0.2610, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 19.1888, 0.2610, 0.2449.



This preview shows how white text looks on a background with the Yxy color 19.1888, 0.2610, 0.2449.

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

19.1888, 0.2610, 0.2449

Protanopia

19.1466, 0.2511, 0.2437

Deuteranopia

19.3377, 0.2547, 0.2501



Tritanopia

19.1106, 0.2857, 0.3098

Trichromacy



Original Color

19.1888, 0.2610, 0.2449

Protanomaly

19.0619, 0.2545, 0.2440

Deuteranomaly

19.2898, 0.2573, 0.2489

Tritanomaly

19.1638, 0.2768, 0.2848

Monochromacy



Original Color

19.1888, 0.2610, 0.2449

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2610, 0.2928, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1888, 0.2610, 0.2449 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(116, 117, 166)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 166)  
}
```

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(116, 117, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 166) }
```

Border

The CSS property to change the border of an element to Yxy 19.1888, 0.2610, 0.2449 is called "border". The border property can be set on classes, ids or directly on the HTML element.

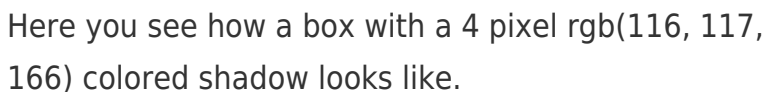
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 117, 166) }
```

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

```
.border{ border-color:rgb(116, 117, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 117, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 117, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 117, 166); box-shadow:4px 4px 4px 4px rgb(116, 117, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1888, 0.2610, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 166) }
```

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

```
.background{ background-color: rgb(116,  
117, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor