

Converting Colors

$Y_{xy}(13.4698, 0.2220, 0.2929)$

Have a look what the booklet for
Yxy(13.4698, 0.2220, 0.2929)
contains.

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Color

$Y_{xy}(13.3819, 0.2220, 0.2932)$

Conversions

Conversions Part 1

Format	Color
Hex	1D707F
RGB	29, 112, 127
RGB Percent	11%, 44%, 50%
CMY	0.8861, 0.5608, 0.5020
CMYK	0.77, 0.12, 0.00, 0.50
HSL	189°, 63%, 31%
HSV	189°, 77%, 50%
XYZ	10.1323, 13.3819, 22.1267
YIQ	88.8930, -54.2830, -12.9310

Conversions

Conversions Part 2

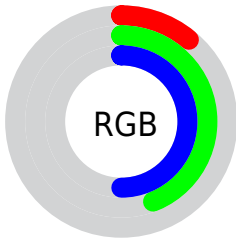
Format	Color
R _{YB}	29, 74, 127
Decimal	1929343
CIE Lab	43.33, -18.67, -15.29
CIE LCh	43, 24.127, 219.312
Yxy	13.3819, 0.2220, 0.2932
Android (android.graphics.Color)	4280119423 (0xFF1D707F)
YUV	88.8930, 18.7868, -52.5262
Hunter-Lab	36.5813, -14.5764, -10.2555

Details

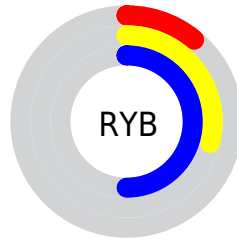
The Yxy color **13.3819, 0.2220, 0.2932** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.4053, 0.5438, 0.3527**, and the grayscale version is **9.9347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0199, 0.2433, 0.3028**, and **4.2169, 0.2100, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **12.8093, 0.2165, 0.2880**, and if you desaturate by 10%, it is **14.0412, 0.2293, 0.2985**.

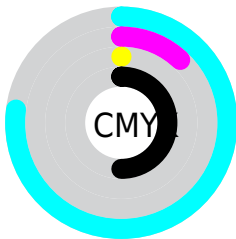
Distribution



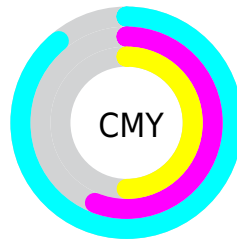
- Red (11%)
- Green (44%)
- Blue (50%)



- Red (11%)
- Yellow (29%)
- Blue (50%)



- Cyan (77%)
- Magenta (12%)
- Yellow (0%)
- Black (50%)





- Cyan (89%)
- Magenta (56%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3819, 0.2220, 0.2932 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 13.3819, 0.2220, 0.2932 by changing the saturation by 10% instead.


 13.3819, 0.2220,
0.2932

 13.3819, 0.2220,
0.2932


213.3509, 0.2750,
0.3160

 7.6920, 0.2056,
0.2850


 31.9882, 0.2434,
0.3031


 3.8985, 0.1823,
0.2722

 45.6734, 0.2508,
0.3063


 1.6170, 0.1474,
0.2504

 62.7926, 0.2567,
0.3088

 0.3690, 0.0000,
0.1909

 83.7301, 0.2617,
0.3108

 0.0000, 0.0000,
0.0000

 108.8702, 0.2658,
0.3124

 138.5975, 0.2693,

0.3138

173.2963, 0.2723,
0.3150

■ 13.3819, 0.2220,
0.2932

■ 13.3819, 0.2220,
0.2932

■ 12.8093, 0.2165,
0.2880

■ 14.0412, 0.2293,
0.2985

■ 12.3043, 0.2126,
0.2827

■ 14.7940, 0.2382,
0.3036

■ 12.1633, 0.2115,
0.2812

■ 15.6482, 0.2488,
0.3087

■ 16.6104, 0.2608,
0.3135

■ 17.6866, 0.2738,
0.3181

■ 18.8821, 0.2877,
0.3224

■ 20.2023, 0.3022,
0.3264

■ 21.6517, 0.3170,
0.3300

■ 23.2351, 0.3318,
0.3333

Harmonies

Analogous

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



13.3819, 0.2422, 0.3416



13.3819, 0.2220, 0.2932



13.3819, 0.2237, 0.2605

Triad

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



13.3819, 0.2220, 0.2932



13.3819, 0.3394, 0.2771



13.3819, 0.3783, 0.4168

Complementary

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



13.3819, 0.2220, 0.2932



6.4053, 0.5438, 0.3527

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.



13.3819, 0.4090, 0.3900



13.3819, 0.2220, 0.2932



13.3819, 0.3867, 0.3115

Square

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



13.3819, 0.2220, 0.2932



13.3819, 0.2877, 0.2544



13.3819, 0.4128, 0.3516



13.3819, 0.3313, 0.4193

Rectangle

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



13.3819, 0.2220, 0.2932



13.3819, 0.2367, 0.2499



13.3819, 0.4128, 0.3516



13.3819, 0.3909, 0.4099

Sweetspot

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



13.3824, 0.2220, 0.2932



32.4158, 0.2787, 0.3197



15.6200, 0.2938, 0.5370



7.4386, 0.2745, 0.3183



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



13.3824, 0.2220, 0.2932



22.2094, 0.2134, 0.2837



5.3855, 0.1898, 0.1667



4.7783, 0.2993, 0.3256



12.2658, 0.2115, 0.2812



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5626, 0.3498, 0.1895



10.2908, 0.3597, 0.1789



12.3794, 0.4575, 0.4402



4.4015, 0.3158, 0.3109



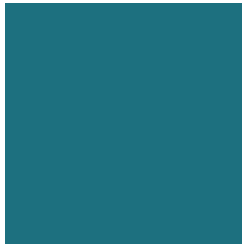
5.6328, 0.3624, 0.1770



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 13.3819, 0.2220, 0.2932 looks on a white 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

Black Background



This preview shows how the Yxy color 13.3819, 0.2220, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

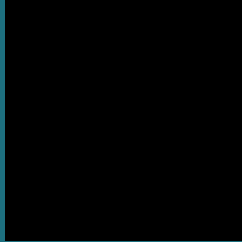
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3819, 0.2220, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 13.3819, 0.2220, 0.2932.

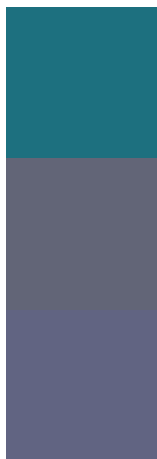


This preview shows how white text looks on a background with the Yxy color 13.3819, 0.2220, 0.2932.

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

13.3819, 0.2220, 0.2932

Protanopia

13.2359, 0.2857, 0.2904

Deuteranopia

13.2674, 0.2717, 0.2667



Tritanopia

13.4096, 0.2242, 0.3069

Trichromacy



Original Color

13.3819, 0.2220, 0.2932

Protanomaly

12.9248, 0.2539, 0.2901

Deuteranomaly

12.8633, 0.2460, 0.2732

Tritanomaly

13.4851, 0.2235, 0.3024

Monochromacy



Original Color

13.3819, 0.2220, 0.2932

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.7220, 0.2644, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3819, 0.2220, 0.2932 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(29, 112, 127)` looks like.

```
.text, #text, p{  
  color:rgb(29, 112, 127)  
}
```

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(29, 112, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 112, 127) }
```

Border

The CSS property to change the border of an element to Yxy 13.3819, 0.2220, 0.2932 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(29, 112, 127) }
```

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

```
.border{ border-color:rgb(29, 112, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 112, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 112, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 112, 127);  
box-shadow:4px 4px 4px 4px rgb(29, 112,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3819, 0.2220, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 112, 127) }
```

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

```
.background{ background-color: rgb(29, 112,  
127) }
```

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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