

Converting Colors

$Y_{xy}(23.4792, 0.2998, 0.3229)$

Have a look what the booklet for
Yxy(23.4792, 0.2998, 0.3229)
contains.

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Color

Yxy(23.5985, 0.2998, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	7E878A
RGB	126, 135, 138
RGB Percent	49%, 53%, 54%
CMY	0.5059, 0.4706, 0.4588
CMYK	0.09, 0.02, 0.00, 0.46
HSL	195°, 5%, 52%
HSV	195°, 9%, 54%
XYZ	21.8561, 23.5985, 27.4477
YIQ	132.6510, -6.3270, -0.9750

Conversions

Conversions Part 2

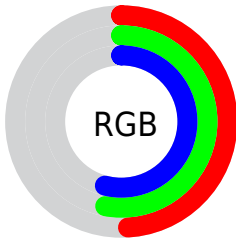
Format	Color
R_{YB}	126, 131, 138
Decimal	8292234
CIE _{Lab}	55.68, -2.66, -2.75
CIE _{LCh}	56, 3.823, 225.982
Yxy	23.5985, 0.2998, 0.3237
Android (android.graphics.Color)	4286482314 (0xFF7E878A)
YUV	132.6510, 2.6371, -5.8329
Hunter-Lab	48.5783, -4.7021, 0.5047

Details

The Yxy color **23.5985, 0.2998, 0.3237** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.6118, 0.3267, 0.3342**, and the grayscale version is **23.3148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3117, 0.3031, 0.3251**, and **8.7794, 0.2951, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **21.6743, 0.2850, 0.3171**, and if you desaturate by 10%, it is **25.7007, 0.3147, 0.3298**.

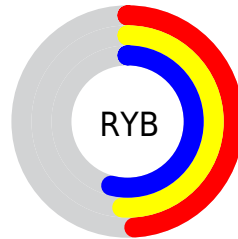
Distribution



Red (49%)

Green (53%)

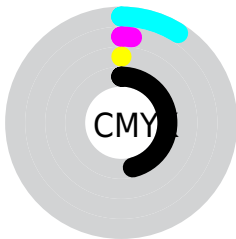
Blue (54%)



Red (49%)

Yellow (51%)

Blue (54%)

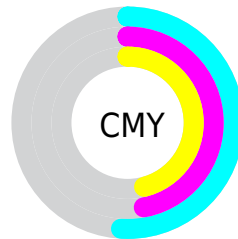


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (46%)



Cyan (51%)

Magenta (47%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5985, 0.2998, 0.3237 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 23.5985, 0.2998, 0.3237 by changing the saturation by 10% instead.

■ 23.5985, 0.2998,
0.3237

■ 23.5985, 0.2998,
0.3237

270.7843, 0.3070,
0.3267

■ 15.0361, 0.2977,
0.3228

■ 49.3742, 0.3026,
0.3249

■ 8.8447, 0.2949,
0.3216

■ 67.3563, 0.3036,
0.3253

■ 4.6400, 0.2906,
0.3197

■ 89.2470, 0.3044,
0.3256

■ 2.0376, 0.2838,
0.3167

115.4308, 0.3051,
0.3259

■ 0.6292, 0.2614,
0.3085

146.2920, 0.3057,
0.3262

■ 0.0000, 0.0000,
0.0000

182.2151, 0.3062,

0.3264

223.5844, 0.3066,
0.3265

■ 23.5985, 0.2998,
0.3237

■ 23.5985, 0.2998,
0.3237

■ 21.6743, 0.2850,
0.3171

■ 25.7007, 0.3147,
0.3298

■ 19.9188, 0.2707,
0.3098

■ 27.9836, 0.3294,
0.3352

■ 18.3265, 0.2569,
0.3020

■ 30.4539, 0.3438,
0.3401

■ 16.8904, 0.2441,
0.2938

■ 33.1168, 0.3579,
0.3444

■ 15.6026, 0.2326,
0.2852

■ 35.9774, 0.3714,
0.3482

■ 14.4549, 0.2225,
0.2763

■ 39.0405, 0.3842,
0.3516

■ 13.4376, 0.2143,
0.2672

■ 42.3108, 0.3965,
0.3545

■ 12.5398, 0.2078,
0.2582

■ 45.7928, 0.4081,
0.3570

■ 11.7362, 0.2029,
0.2492

■ 49.4908, 0.4190,
0.3592

Harmonies

Analogous

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



23.5985, 0.3022, 0.3296



23.5985, 0.2998, 0.3237



23.5985, 0.3008, 0.3193

Triad

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



23.5985, 0.2998, 0.3237



23.5985, 0.3179, 0.3227



23.5985, 0.3205, 0.3407

Complementary

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



23.5985, 0.2998, 0.3237



22.6118, 0.3267, 0.3342

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.



23.5985, 0.3248, 0.3387



23.5985, 0.2998, 0.3237



23.5985, 0.3233, 0.3283

Square

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



23.5985, 0.2998, 0.3237



23.5985, 0.3112, 0.3188



23.5985, 0.3258, 0.3341



23.5985, 0.3142, 0.3395

Rectangle

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



23.5985, 0.2998, 0.3237



23.5985, 0.3032, 0.3178



23.5985, 0.3258, 0.3341



23.5985, 0.3222, 0.3403

Sweetspot

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



23.5995, 0.2998, 0.3237



43.6432, 0.3082, 0.3272



24.1984, 0.3087, 0.3449



9.7270, 0.3071, 0.3267



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



23.5995, 0.2998, 0.3237



41.0615, 0.2975, 0.3227



21.9729, 0.2998, 0.3130



5.4804, 0.2991, 0.3234



10.6903, 0.2023, 0.2483



0.0942, 0.2139, 0.2902

Inverse Universe

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



22.0760, 0.3170, 0.3136



37.9492, 0.3178, 0.3108



24.2384, 0.3256, 0.3445



5.1080, 0.3172, 0.3127



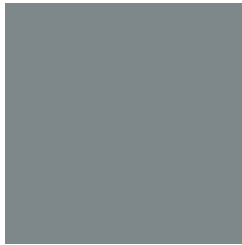
5.8634, 0.3939, 0.1944



0.0413, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 23.5985, 0.2998, 0.3237 looks on a white background.

Color Contrast Check

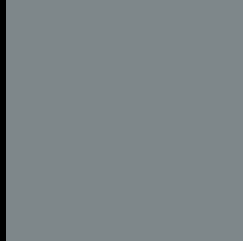
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5985, 0.2998, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

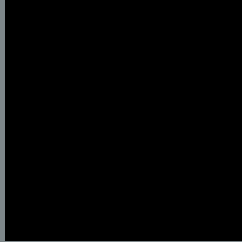
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

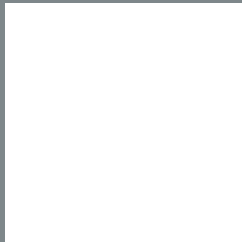
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5985, 0.2998, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 23.5985, 0.2998, 0.3237.



This preview shows how white text looks on a background with the Yxy color 23.5985, 0.2998, 0.3237.

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

23.5985, 0.2998, 0.3237

Protanopia

23.7321, 0.3108, 0.3222

Deuteranopia

23.4042, 0.3181, 0.3123



Tritanopia

23.6066, 0.2940, 0.3100

Trichromacy



Original Color

23.5985, 0.2998, 0.3237

Protanomaly

23.7619, 0.3074, 0.3238

Deuteranomaly

23.4150, 0.3111, 0.3154

Tritanomaly

23.5152, 0.2969, 0.3151

Monochromacy



Original Color

23.5985, 0.2998, 0.3237

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.5453, 0.3072, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5985, 0.2998, 0.3237 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(126, 135, 138)` looks like.

```
.text, #text, p{  
    color:rgb(126, 135, 138)  
}
```

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(126, 135, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 135, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.5985, 0.2998, 0.3237 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(126, 135, 138) }
```

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

```
.border{ border-color:rgb(126, 135, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 135, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 135, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 135, 138);  
box-shadow:4px 4px 4px 4px rgb(126, 135,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5985, 0.2998, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 135, 138) }
```

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

```
.background{ background-color: rgb(126,  
135, 138) }
```

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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