

Converting Colors

$Y_{xy}(24.2714, 0.2834, 0.3004)$

Have a look what the booklet for
Yxy(24.2714, 0.2834, 0.3004)
contains.

Yxy(24.1933, 0.2835, 0.2999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1933, 0.2835, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	7C8899
RGB	124, 136, 153
RGB Percent	49%, 53%, 60%
CMY	0.5136, 0.4667, 0.3999
CMYK	0.19, 0.11, 0.00, 0.40
HSL	215°, 12%, 54%
HSV	215°, 19%, 60%
XYZ	22.8703, 24.1933, 33.6076
YIQ	134.3500, -12.6090, 2.7430

Conversions

Conversions Part 2

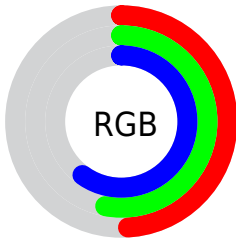
Format	Color
R_YB	124, 132, 153
Decimal	8161433
CIE Lab	56.28, -0.56, -10.54
CIE LCh	56, 10.555, 266.936
Yxy	24.1933, 0.2835, 0.2999
Android (android.graphics.Color)	4286351513 (0xFF7C8899)
YUV	134.3500, 9.1945, -9.0769
Hunter-Lab	49.1867, -3.0797, -6.0802

Details

The Yxy color **24.1933, 0.2835, 0.2999** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **27.2955, 0.3436, 0.3565**, and the grayscale version is **23.9471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2473, 0.2901, 0.3063**, and **9.1107, 0.2729, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **20.7150, 0.2671, 0.2821**, and if you desaturate by 10%, it is **28.0628, 0.2993, 0.3160**.

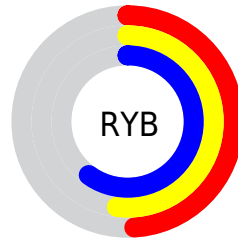
Distribution



Red (49%)

Green (53%)

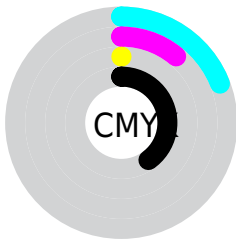
Blue (60%)



Red (49%)

Yellow (52%)

Blue (60%)

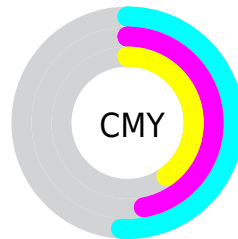


Cyan (19%)

Magenta (11%)

Yellow (0%)

Black (40%)



Cyan (51%)

Magenta (47%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1933, 0.2835, 0.2999 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 24.1933, 0.2835, 0.2999 by changing the saturation by 10% instead.

■ 24.1933, 0.2835,
0.2999

■ 24.1933, 0.2835,
0.2999

273.7963, 0.2996,
0.3160

■ 15.4771, 0.2789,
0.2953

■ 50.3455, 0.2898,
0.3062

■ 9.1549, 0.2726,
0.2890

■ 68.5502, 0.2920,
0.3084

■ 4.8423, 0.2634,
0.2798

■ 90.6865, 0.2938,
0.3102

■ 2.1551, 0.2490,
0.2652

117.1389, 0.2953,
0.3117

■ 0.6953, 0.2202,
0.2366

148.2916, 0.2966,
0.3130

■ 0.0000, 0.0000,
0.0000

184.5292, 0.2978,

0.3142

226.2359, 0.2987,
0.3151

■ 24.1933, 0.2835,
0.2999

■ 24.1933, 0.2835,
0.2999

■ 20.7150, 0.2671,
0.2821

■ 28.0628, 0.2993,
0.3160

■ 17.6116, 0.2504,
0.2626

■ 32.3330, 0.3143,
0.3304

■ 14.8699, 0.2337,
0.2418

■ 37.0171, 0.3283,
0.3432

■ 12.4748, 0.2177,
0.2199

■ 42.1264, 0.3413,
0.3545

■ 10.4098, 0.2029,
0.1976

■ 47.6720, 0.3534,
0.3645

■ 8.6568, 0.1900,
0.1754

■ 53.6643, 0.3645,
0.3731

■ 7.1954, 0.1794,
0.1542

■ 60.1137, 0.3746,
0.3807

■ 5.9890, 0.1710,
0.1346

■ 67.0299, 0.3839,
0.3873

■ 5.8720, 0.1702,
0.1326

■ 73.1205, 0.3872,
0.3945

Harmonies

Analogous

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



24.1933, 0.2777, 0.3090



24.1933, 0.2835, 0.2999



24.1933, 0.2970, 0.2986

Triad

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



24.1933, 0.2835, 0.2999



24.1933, 0.3455, 0.3325



24.1933, 0.3095, 0.3550

Complementary

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



24.1933, 0.2835, 0.2999



27.2955, 0.3436, 0.3565

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.



24.1933, 0.3278, 0.3613



24.1933, 0.2835, 0.2999



24.1933, 0.3490, 0.3476

Square

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



24.1933, 0.2835, 0.2999



24.1933, 0.3330, 0.3171



24.1933, 0.3424, 0.3583



24.1933, 0.2924, 0.3411

Rectangle

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



24.1933, 0.2835, 0.2999



24.1933, 0.3088, 0.3020



24.1933, 0.3424, 0.3583



24.1933, 0.3157, 0.3581

Sweetspot

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



24.1943, 0.2835, 0.2999



52.3309, 0.3036, 0.3203



28.9962, 0.2954, 0.3494



11.4597, 0.3027, 0.3194



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.



24.1943, 0.2835, 0.2999



40.4236, 0.2762, 0.2921



21.1934, 0.2849, 0.2792



6.4242, 0.2989, 0.3156



4.9150, 0.1705, 0.1339



0.1426, 0.1930, 0.2148

Inverse Universe

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



22.9744, 0.3342, 0.3097



37.9408, 0.3406, 0.3048



30.7846, 0.3378, 0.3751



6.2628, 0.3222, 0.3199



5.9015, 0.5273, 0.2678



0.0952, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 24.1933, 0.2835, 0.2999 looks on a white background.

Color Contrast Check

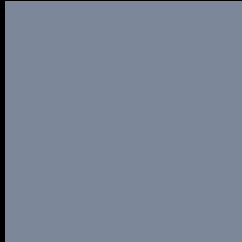
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1933, 0.2835, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

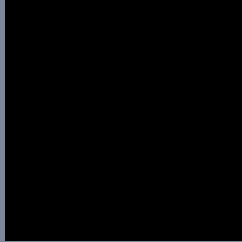
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

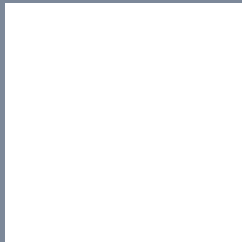
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1933, 0.2835, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 24.1933, 0.2835, 0.2999.



This preview shows how white text looks on a background with the Yxy color 24.1933, 0.2835, 0.2999.

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

24.1933, 0.2835, 0.2999

Protanopia

24.2227, 0.2925, 0.2988

Deuteranopia

24.0547, 0.2979, 0.2913



Tritanopia

24.2404, 0.2872, 0.3099

Trichromacy



Original Color

24.1933, 0.2835, 0.2999

Protanomaly

24.2621, 0.2894, 0.3003

Deuteranomaly

24.1765, 0.2926, 0.2941

Tritanomaly

24.3043, 0.2853, 0.3066

Monochromacy



Original Color

24.1933, 0.2835, 0.2999

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.9969, 0.3011, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1933, 0.2835, 0.2999 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(124, 136, 153)` looks like.

```
.text, #text, p{  
    color:rgb(124, 136, 153)  
}
```

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(124, 136, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 136, 153) }
```

Border

The CSS property to change the border of an element to Yxy 24.1933, 0.2835, 0.2999 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(124, 136, 153) }
```

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

```
.border{ border-color:rgb(124, 136, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 136, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 136, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 136, 153);  
box-shadow:4px 4px 4px 4px rgb(124, 136,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1933, 0.2835, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 136, 153) }
```

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

```
.background{ background-color: rgb(124,  
136, 153) }
```

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