

Converting Colors

$Yxy(24.7164, 0.2996, 0.3378)$

Have a look what the booklet for
Yxy(24.7164, 0.2996, 0.3378)
contains.

Yxy(24.7164, 0.2996, 0.3378)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.7164, 0.2996, 0.3378)

Conversions

Conversions Part 1

Format	Color
Hex	7B8C87
RGB	123, 140, 135
RGB Percent	48%, 55%, 53%
CMY	0.5175, 0.4510, 0.4706
CMYK	0.12, 0.00, 0.04, 0.45
HSL	162°, 7%, 52%
HSV	162°, 12%, 55%
XYZ	21.9214, 24.7164, 26.5310
YIQ	134.3470, -8.5270, -5.1590

Conversions

Conversions Part 2

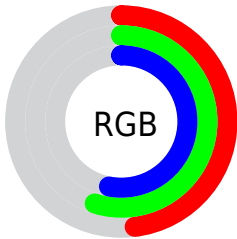
Format	Color
R_{YB}	123, 133, 140
Decimal	8096903
CIE Lab	56.80, -7.16, 0.60
CIE LCh	57, 7.181, 175.246
Yxy	24.7164, 0.2996, 0.3378
Android (android.graphics.Color)	4286286983 (0xFF7B8C87)
YUV	134.3470, 0.3219, -9.9513
Hunter-Lab	49.7156, -8.2954, 3.1605

Details

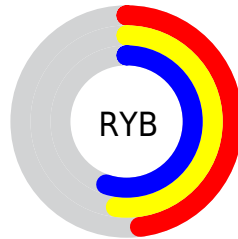
The Yxy color **24.7164, 0.2996, 0.3378** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.3072, 0.3278, 0.3204**, and the grayscale version is **23.9773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4445, 0.3029, 0.3367**, and **9.4241, 0.2950, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **23.6432, 0.2893, 0.3459**, and if you desaturate by 10%, it is **25.9439, 0.3104, 0.3305**.

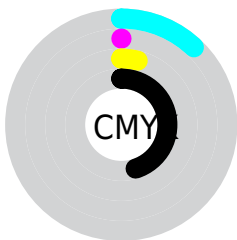
Distribution



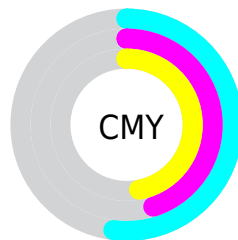
- Red (48%)
- Green (55%)
- Blue (53%)



- Red (48%)
- Yellow (52%)
- Blue (55%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (45%)



- Cyan (52%)
- Magenta (45%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7164, 0.2996, 0.3378 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 24.7164, 0.2996, 0.3378 by changing the saturation by 10% instead.

■ 24.7164, 0.2996,
0.3378

■ 24.7164, 0.2996,
0.3378

276.4226, 0.3069,
0.3329

■ 15.8659, 0.2975,
0.3392

■ 51.1968, 0.3024,
0.3359

■ 9.4293, 0.2946,
0.3412

■ 69.5954, 0.3034,
0.3352

■ 5.0222, 0.2904,
0.3440

■ 91.9456, 0.3043,
0.3347

■ 2.2603, 0.2836,
0.3487

118.6316, 0.3049,
0.3342

■ 0.7526, 0.2610,
0.3634

150.0379, 0.3055,
0.3338

■ 0.0000, 0.0000,
0.0000

186.5490, 0.3060,

0.3335

228.5491, 0.3065,
0.3332

■ 24.7164, 0.2996,
0.3378

■ 24.7164, 0.2996,
0.3378

■ 23.6432, 0.2893,
0.3459

■ 25.9439, 0.3104,
0.3305

■ 22.7149, 0.2797,
0.3547

■ 27.3284, 0.3214,
0.3239

■ 21.9257, 0.2710,
0.3641

■ 28.8767, 0.3325,
0.3179

■ 21.2685, 0.2637,
0.3741

■ 30.5940, 0.3435,
0.3127

■ 20.7352, 0.2578,
0.3846

■ 32.4854, 0.3542,
0.3081

■ 20.3171, 0.2537,
0.3953

■ 34.5558, 0.3647,
0.3041

■ 20.0041, 0.2515,
0.4063

■ 36.8098, 0.3747,
0.3005

■ 19.7844, 0.2511,
0.4171

■ 39.2519, 0.3844,
0.2975

■ 19.6497, 0.2516,
0.4257

■ 41.8865, 0.3936,
0.2948

Harmonies

Analogous

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



24.7164, 0.3114, 0.3468



24.7164, 0.2996, 0.3378



24.7164, 0.2914, 0.3265

Triad

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



24.7164, 0.2996, 0.3378



24.7164, 0.3015, 0.3081



24.7164, 0.3372, 0.3412

Complementary

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



24.7164, 0.2996, 0.3378



21.3072, 0.3278, 0.3204

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.



24.7164, 0.3345, 0.3309



24.7164, 0.2996, 0.3378



24.7164, 0.3137, 0.3121

Square

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



24.7164, 0.2996, 0.3378



24.7164, 0.2925, 0.3095



24.7164, 0.3258, 0.3204



24.7164, 0.3332, 0.3486

Rectangle

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



24.7164, 0.2996, 0.3378



24.7164, 0.2890, 0.3193



24.7164, 0.3258, 0.3204



24.7164, 0.3370, 0.3380

Sweetspot

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



24.7174, 0.2996, 0.3378



45.2958, 0.3082, 0.3318



24.7848, 0.3168, 0.3590



10.4018, 0.3075, 0.3323



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.7174, 0.2996, 0.3378



42.9458, 0.2962, 0.3403



23.8852, 0.2947, 0.3230



5.6639, 0.3028, 0.3355



17.4637, 0.2514, 0.4252



0.1186, 0.2377, 0.3756

Inverse Universe

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



21.3072, 0.3278, 0.3204



35.5112, 0.3324, 0.3180



22.0355, 0.3330, 0.3349



5.0713, 0.3237, 0.3226



5.1017, 0.5711, 0.2920



0.0362, 0.4658, 0.2340

Previews

White Background



This preview shows how the Yxy color 24.7164, 0.2996, 0.3378 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 24.7164, 0.2996, 0.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

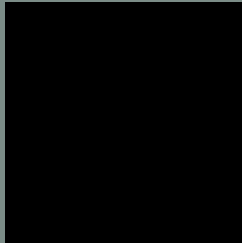
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7164, 0.2996, 0.3378

Background



This preview shows how black text looks on a background with the Yxy color 24.7164, 0.2996, 0.3378.



This preview shows how white text looks on a background with the Yxy color 24.7164, 0.2996, 0.3378.

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

24.7164, 0.2996, 0.3378

Protanopia

24.4829, 0.3204, 0.3341

Deuteranopia

24.6982, 0.3269, 0.3209



Tritanopia

24.7069, 0.2883, 0.3101

Trichromacy



Original Color

24.7164, 0.2996, 0.3378

Protanomaly

24.5713, 0.3124, 0.3359

Deuteranomaly

24.6810, 0.3173, 0.3273

Tritanomaly

24.7639, 0.2920, 0.3203

Monochromacy



Original Color

24.7164, 0.2996, 0.3378

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.0754, 0.3081, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7164, 0.2996, 0.3378 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(123, 140, 135)` looks like.

```
.text, #text, p{  
    color:rgb(123, 140, 135)  
}
```

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(123, 140, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 140, 135) }
```

Border

The CSS property to change the border of an element to Yxy 24.7164, 0.2996, 0.3378 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(123, 140, 135) }
```

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

```
.border{ border-color:rgb(123, 140, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 140, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 140, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 140, 135);  
box-shadow:4px 4px 4px 4px rgb(123, 140,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7164, 0.2996, 0.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 140, 135) }
```

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

```
.background{ background-color: rgb(123,  
140, 135) }
```

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