

Converting Colors

$Y_{xy}(29.7983, 0.2849, 0.3344)$

Have a look what the booklet for
Yxy(29.7983, 0.2849, 0.3344)
contains.

Yxy(29.8473, 0.2843, 0.3339)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8473, 0.2843, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	7A9B98
RGB	122, 155, 152
RGB Percent	48%, 61%, 60%
CMY	0.5216, 0.3921, 0.4039
CMYK	0.21, 0.00, 0.02, 0.39
HSL	175°, 14%, 54%
HSV	175°, 21%, 61%
XYZ	25.4136, 29.8473, 34.1291
YIQ	144.7910, -18.7050, -7.9290

Conversions

Conversions Part 2

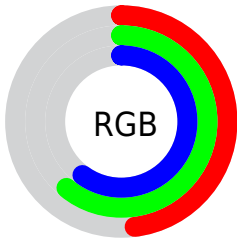
Format	Color
R_{YB}	122, 139, 155
Decimal	8035224
CIE _{Lab}	61.52, -12.03, -2.20
CIE _{LCh}	62, 12.231, 190.357
Yxy	29.8473, 0.2843, 0.3339
Android (android.graphics.Color)	4286225304 (0xFF7A9B98)
YUV	144.7910, 3.5540, -19.9877
Hunter-Lab	54.6327, -12.5741, 1.2044

Details

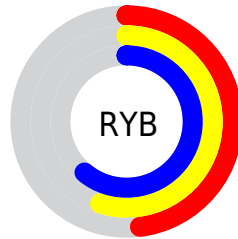
The Yxy color **29.8473, 0.2843, 0.3339** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.3653, 0.3505, 0.3242**, and the grayscale version is **28.2168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1711, 0.2902, 0.3326**, and **12.2179, 0.2744, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **28.7601, 0.2724, 0.3365**, and if you desaturate by 10%, it is **31.1180, 0.2972, 0.3315**.

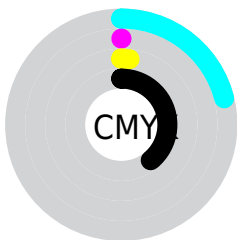
Distribution



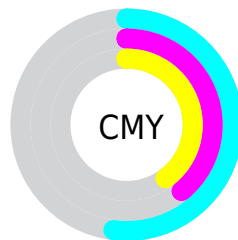
- Red (48%)
- Green (61%)
- Blue (60%)



- Red (48%)
- Yellow (55%)
- Blue (61%)



- Cyan (21%)
- Magenta (0%)
- Yellow (2%)
- Black (39%)



- Cyan (52%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8473, 0.2843, 0.3339 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 29.8473, 0.2843, 0.3339 by changing the saturation by 10% instead.

■ 29.8473, 0.2843,
0.3339

■ 29.8473, 0.2843,
0.3339

301.1920, 0.2995,
0.3314

■ 19.7227, 0.2802,
0.3345

■ 59.4206, 0.2901,
0.3330

■ 12.1936, 0.2746,
0.3354

■ 79.6381, 0.2922,
0.3326

■ 6.8757, 0.2667,
0.3365

■ 103.9887, 0.2939,
0.3323

■ 3.3845, 0.2549,
0.3381

132.8568, 0.2954,
0.3321

■ 1.3356, 0.2348,
0.3405

166.6268, 0.2966,
0.3319

■ 0.1685, 0.0000,
0.3332

205.6831, 0.2977,

■ 0.0000, 0.0000,

0.3317

0.0000

250.4100, 0.2987,
0.3315

■ 29.8473, 0.2843,
0.3339

■ 29.8473, 0.2843,
0.3339

■ 28.7601, 0.2724,
0.3365

■ 31.1180, 0.2972,
0.3315

■ 27.8441, 0.2617,
0.3393

■ 32.5765, 0.3109,
0.3293

■ 27.0913, 0.2525,
0.3421

■ 34.2315, 0.3250,
0.3273

■ 26.4918, 0.2449,
0.3451

■ 36.0900, 0.3393,
0.3255

■ 26.0341, 0.2392,
0.3482

■ 38.1589, 0.3537,
0.3239

■ 25.7057, 0.2354,
0.3512

■ 40.4445, 0.3678,
0.3225

■ 25.4913, 0.2333,
0.3542

■ 42.9530, 0.3816,
0.3213

■ 25.3654, 0.2325,
0.3568

■ 45.6903, 0.3950,
0.3202

■ 47.4099, 0.4020,
0.3191

Harmonies

Analogous

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



29.8473, 0.3005, 0.3513



29.8473, 0.2843, 0.3339



29.8473, 0.2757, 0.3157

Triad

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



29.8473, 0.2843, 0.3339



29.8473, 0.3041, 0.2983



29.8473, 0.3500, 0.3550

Complementary

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



29.8473, 0.2843, 0.3339



22.3653, 0.3505, 0.3242

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.



29.8473, 0.3513, 0.3403



29.8473, 0.2843, 0.3339



29.8473, 0.3243, 0.3082

Square

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



29.8473, 0.2843, 0.3339



29.8473, 0.2868, 0.2959



29.8473, 0.3417, 0.3233



29.8473, 0.3386, 0.3633

Rectangle

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



29.8473, 0.2843, 0.3339



29.8473, 0.2752, 0.3058



29.8473, 0.3417, 0.3233



29.8473, 0.3517, 0.3506

Sweetspot

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



29.8485, 0.2843, 0.3339



57.0353, 0.3043, 0.3303



29.2313, 0.3133, 0.3858



12.8746, 0.3034, 0.3304



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.8485, 0.2843, 0.3339



52.3968, 0.2779, 0.3352



25.7894, 0.2804, 0.3066



7.0169, 0.3000, 0.3310



20.3747, 0.2324, 0.3566



0.3071, 0.2286, 0.3431

Inverse Universe

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



22.3653, 0.3505, 0.3242



36.3255, 0.3626, 0.3230



25.7562, 0.3499, 0.3504



6.2313, 0.3270, 0.3270



5.6256, 0.6268, 0.3226



0.0862, 0.5700, 0.2914

Previews

White Background



This preview shows how the Yxy color 29.8473, 0.2843, 0.3339 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 29.8473, 0.2843, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

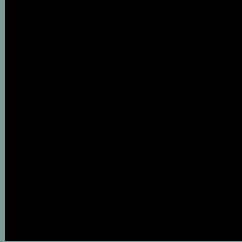
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8473, 0.2843, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 29.8473, 0.2843, 0.3339.

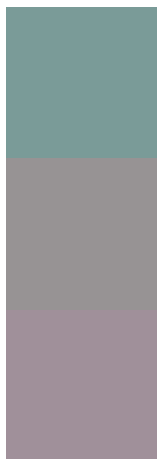


This preview shows how white text looks on a background with the Yxy color 29.8473, 0.2843, 0.3339.

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

29.8473, 0.2843, 0.3339

Protanopia

29.5849, 0.3159, 0.3274

Deuteranopia

29.7532, 0.3197, 0.3139



Tritanopia

29.8591, 0.2762, 0.3096

Trichromacy



Original Color

29.8473, 0.2843, 0.3339

Protanomaly

29.5581, 0.3036, 0.3306

Deuteranomaly

29.5907, 0.3060, 0.3211

Tritanomaly

29.9344, 0.2795, 0.3191

Monochromacy



Original Color

29.8473, 0.2843, 0.3339

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.9514, 0.3016, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8473, 0.2843, 0.3339 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(122, 155, 152)` looks like.

```
.text, #text, p{  
    color:rgb(122, 155, 152)  
}
```

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(122, 155, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 155, 152) }
```

Border

The CSS property to change the border of an element to Yxy 29.8473, 0.2843, 0.3339 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(122, 155, 152) }
```

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

```
.border{ border-color:rgb(122, 155, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 155, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 155, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 155, 152);  
box-shadow:4px 4px 4px 4px rgb(122, 155,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8473, 0.2843, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 155, 152) }
```

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

```
.background{ background-color: rgb(122,  
155, 152) }
```

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