

Converting Colors

$Y_{xy}(29.9259, 0.33336, 0.32225)$

Have a look what the booklet for
Yxy(29.9259, 0.3336, 0.3225)
contains.

Yxy(29.9670, 0.3345, 0.3231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9670, 0.3345, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	A78F93
RGB	167, 143, 147
RGB Percent	65%, 56%, 58%
CMY	0.3451, 0.4392, 0.4235
CMYK	0.00, 0.14, 0.12, 0.35
HSL	350°, 12%, 61%
HSV	350°, 14%, 65%
XYZ	31.0243, 29.9670, 31.7570
YIQ	150.6320, 13.0200, 6.3320

Conversions

Conversions Part 2

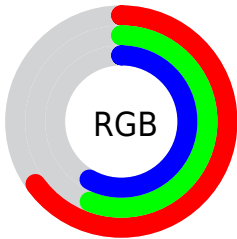
Format	Color
R _Y B	167, 143, 147
Decimal	10981267
CIE Lab	61.63, 9.67, 1.20
CIE LCh	62, 9.745, 7.091
Yxy	29.9670, 0.3345, 0.3231
Android (android.graphics.Color)	4289171347 (0xFFA78F93)
YUV	150.6320, -1.7906, 14.3547
Hunter-Lab	54.7421, 5.3637, 3.9241

Details

The Yxy color **29.9670, 0.3345, 0.3231** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.1181, 0.2945, 0.3350**, and the grayscale version is **30.7862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6791, 0.3297, 0.3245**, and **12.3366, 0.3416, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **24.9112, 0.3541, 0.3187**, and if you desaturate by 10%, it is **35.8246, 0.3186, 0.3273**.

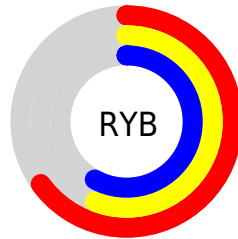
Distribution



Red (65%)

Green (56%)

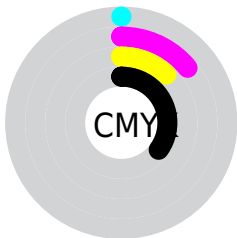
Blue (58%)



Red (65%)

Yellow (56%)

Blue (58%)

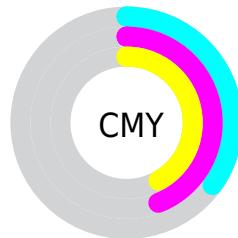


Cyan (0%)

Magenta (14%)

Yellow (12%)

Black (35%)



Cyan (35%)


Magenta (44%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9670, 0.3345, 0.3231 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 29.9670, 0.3345, 0.3231 by changing the saturation by 10% instead.

 29.9670, 0.3345,
0.3231


 29.9670, 0.3345,
0.3231


301.7506, 0.3228,
0.3263


 19.8135, 0.3377,
0.3222


 59.6100, 0.3300,
0.3243

 12.2596, 0.3421,
0.3210

 79.8683, 0.3284,
0.3248

 6.9207, 0.3483,
0.3192


 104.2637, 0.3271,
0.3252

 3.4126, 0.3578,
0.3164

133.1806, 0.3259,
0.3255

 1.3507, 0.3743,
0.3116

167.0033, 0.3250,
0.3257

 0.1800, 0.5825,
0.2575

206.1163, 0.3241,

 0.0000, 0.0000,

0.3260

0.0000

250.9039, 0.3234,
0.3262

■ 29.9670, 0.3345,
0.3231

■ 29.9670, 0.3345,
0.3231

■ 24.9112, 0.3541,
0.3187

■ 35.8246, 0.3186,
0.3273

■ 20.6185, 0.3781,
0.3142

■ 42.5127, 0.3058,
0.3311

■ 17.0530, 0.4073,
0.3100

■ 50.0633, 0.2954,
0.3347

■ 14.1741, 0.4419,
0.3065

■ 58.5057, 0.2869,
0.3379

■ 11.9375, 0.4812,
0.3043

■ 67.8677, 0.2799,
0.3408

■ 10.2936, 0.5233,
0.3042

■ 78.1760, 0.2742,
0.3435

■ 9.1854, 0.5640,
0.3070

■ 86.2896, 0.2687,
0.3406

■ 8.5445, 0.5983,
0.3126

■ 86.9545, 0.2638,
0.3289

■ 8.2977, 0.6142,
0.3157

Harmonies

Analogous

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



29.9670, 0.3203, 0.3112



29.9670, 0.3345, 0.3231



29.9670, 0.3429, 0.3367

Triad

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



29.9670, 0.3345, 0.3231



29.9670, 0.3206, 0.3557



29.9670, 0.2834, 0.3085

Complementary

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



29.9670, 0.3345, 0.3231



36.1181, 0.2945, 0.3350

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.



29.9670, 0.2835, 0.3201



29.9670, 0.3345, 0.3231



29.9670, 0.3047, 0.3478

Square

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



29.9670, 0.3345, 0.3231



29.9670, 0.3346, 0.3559



29.9670, 0.2912, 0.3346



29.9670, 0.2909, 0.3027

Rectangle

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



29.9670, 0.3345, 0.3231



29.9670, 0.3439, 0.3451



29.9670, 0.2912, 0.3346



29.9670, 0.2825, 0.3118

Sweetspot

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



29.9683, 0.3345, 0.3231



64.4938, 0.3182, 0.3274



30.1803, 0.3098, 0.2939



14.2486, 0.3193, 0.3271



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.9683, 0.3345, 0.3231



50.8641, 0.3398, 0.3218



32.2030, 0.3371, 0.3403



7.5620, 0.3260, 0.3253



6.3555, 0.6122, 0.3146



0.1604, 0.5364, 0.2729

Inverse Universe

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



29.9683, 0.3345, 0.3231



50.8641, 0.3398, 0.3218



33.5625, 0.2910, 0.3174



7.5620, 0.3260, 0.3253



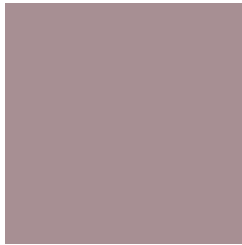
6.3555, 0.6122, 0.3146



0.1604, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 29.9670, 0.3345, 0.3231 looks on a white background.

Color Contrast Check

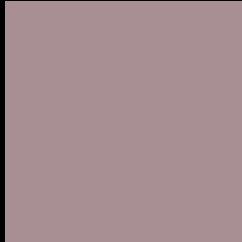
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9670, 0.3345, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

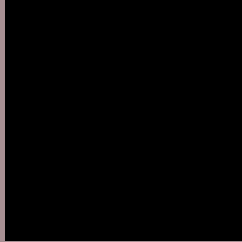
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9670, 0.3345, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 29.9670, 0.3345, 0.3231.



This preview shows how white text looks on a background with the Yxy color 29.9670, 0.3345, 0.3231.

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

29.9670, 0.3345, 0.3231

Protanopia

29.9611, 0.3139, 0.3259

Deuteranopia

29.9456, 0.3311, 0.3245



Tritanopia

29.9707, 0.3296, 0.3128

Trichromacy



Original Color

29.9670, 0.3345, 0.3231

Protanomaly

29.8958, 0.3213, 0.3244

Deuteranomaly

30.0524, 0.3322, 0.3246

Tritanomaly

29.9052, 0.3316, 0.3158

Monochromacy



Original Color

29.9670, 0.3345, 0.3231

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.5499, 0.3201, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9670, 0.3345, 0.3231 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(167, 143, 147)` looks like.

```
.text, #text, p{  
    color:rgb(167, 143, 147)  
}
```

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(167, 143, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 143, 147) }
```

Border

The CSS property to change the border of an element to Yxy 29.9670, 0.3345, 0.3231 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(167, 143, 147) }
```

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

```
.border{ border-color:rgb(167, 143, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 143, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 143, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 143, 147);  
box-shadow:4px 4px 4px 4px rgb(167, 143,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9670, 0.3345, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 143, 147) }
```

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

```
.background{ background-color: rgb(167,  
143, 147) }
```

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