

Converting Colors

$Y_{xy}(28.3233, 0.3187, 0.3326)$

Have a look what the booklet for
Yxy(28.3233, 0.3187, 0.3326)
contains.

Yxy(28.1954, 0.3189, 0.3322)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1954, 0.3189, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	94908E
RGB	148, 144, 142
RGB Percent	58%, 56%, 56%
CMY	0.4197, 0.4353, 0.4431
CMYK	0.00, 0.03, 0.04, 0.42
HSL	20°, 3%, 57%
HSV	20°, 4%, 58%
XYZ	27.0666, 28.1954, 29.6128
YIQ	144.9680, 3.0260, 0.2260

Conversions

Conversions Part 2

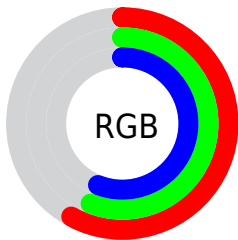
Format	Color
R_{YB}	148, 145, 142
Decimal	9736334
CIE Lab	60.06, 1.09, 1.57
CIE LCh	60, 1.907, 55.222
Yxy	28.1954, 0.3189, 0.3322
Android (android.graphics.Color)	4287926414 (0xFF94908E)
YUV	144.9680, -1.4632, 2.6591
Hunter-Lab	53.0993, -1.9362, 4.1043

Details

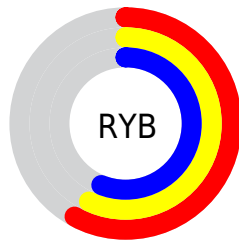
The Yxy color **28.1954, 0.3189, 0.3322** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.4436, 0.3067, 0.3258**, and the grayscale version is **28.3067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9302, 0.3173, 0.3314**, and **11.3195, 0.3203, 0.3337** is the 20% darker color. If you saturate the color by 10%, you get **24.9250, 0.3361, 0.3405**, and if you desaturate by 10%, it is **31.7879, 0.3043, 0.3244**.

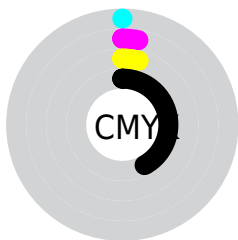
Distribution



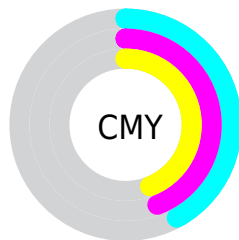
- Red (58%)
- Green (56%)
- Blue (56%)



- Red (58%)
- Yellow (57%)
- Blue (56%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (42%)





- Cyan (42%)
- Magenta (44%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1954, 0.3189, 0.3322 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 28.1954, 0.3189, 0.3322 by changing the saturation by 10% instead.


 28.1954, 0.3189,
0.3322


 28.1954, 0.3189,
0.3322


293.3994, 0.3155,
0.3305


 18.4730, 0.3198,
0.3327


 56.7963, 0.3176,
0.3315

 11.2901, 0.3211,
0.3333


 76.4435, 0.3172,
0.3313

 6.2623, 0.3229,
0.3342


 100.1678, 0.3168,
0.3311

 3.0052, 0.3258,
0.3357

128.3536, 0.3164,
0.3309

 1.1345, 0.3308,
0.3382

161.3853, 0.3162,
0.3308

 0.0072, 0.8230,
0.1770

199.6472, 0.3159,

 0.0000, 0.0000,

0.3307

0.0000

243.5238, 0.3157,
0.3306

■ 28.1954, 0.3189,
0.3322

■ 28.1954, 0.3189,
0.3322

■ 24.9250, 0.3361,
0.3405

■ 31.7879, 0.3043,
0.3244

■ 21.9640, 0.3563,
0.3493

■ 35.7073, 0.2918,
0.3173

■ 19.3044, 0.3798,
0.3583

■ 39.9631, 0.2812,
0.3107

■ 16.9362, 0.4069,
0.3671

■ 44.5633, 0.2721,
0.3047

■ 14.8491, 0.4375,
0.3750

■ 49.5154, 0.2643,
0.2992

■ 13.0320, 0.4708,
0.3812

■ 54.8270, 0.2576,
0.2942

■ 11.4731, 0.5054,
0.3844

■ 60.5052, 0.2517,
0.2897

■ 10.1593, 0.5389,
0.3836

■ 66.2042, 0.2491,
0.2914

■ 9.0765, 0.5682,
0.3782

■ 71.6191, 0.2511,
0.3032

Harmonies

Analogous

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



28.1954, 0.3182, 0.3296



28.1954, 0.3189, 0.3322



28.1954, 0.3179, 0.3340

Triad

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



28.1954, 0.3189, 0.3322



28.1954, 0.3094, 0.3312



28.1954, 0.3099, 0.3236

Complementary

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



28.1954, 0.3189, 0.3322



28.4436, 0.3067, 0.3258

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.



28.1954, 0.3076, 0.3240



28.1954, 0.3189, 0.3322



28.1954, 0.3073, 0.3284

Square

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



28.1954, 0.3189, 0.3322



28.1954, 0.3124, 0.3335



28.1954, 0.3066, 0.3258



28.1954, 0.3130, 0.3246

Rectangle

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



28.1954, 0.3189, 0.3322



28.1954, 0.3165, 0.3345



28.1954, 0.3066, 0.3258



28.1954, 0.3090, 0.3236

Sweetspot

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



28.1966, 0.3189, 0.3322



51.6143, 0.3142, 0.3298



27.7199, 0.3151, 0.3227



11.7915, 0.3141, 0.3298



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



28.1966, 0.3189, 0.3322



49.1220, 0.3206, 0.3331



29.1106, 0.3186, 0.3369



6.3958, 0.3213, 0.3334



7.3321, 0.5834, 0.3750



0.1398, 0.5102, 0.4331

Inverse Universe

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



28.4436, 0.3067, 0.3258



49.6697, 0.3051, 0.3249



27.5376, 0.3068, 0.3210



6.4732, 0.3045, 0.3246



9.4278, 0.1941, 0.2187



0.1698, 0.2096, 0.2746

Previews

White Background



This preview shows how the Yxy color 28.1954, 0.3189, 0.3322 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 28.1954, 0.3189, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

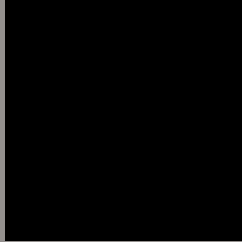
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

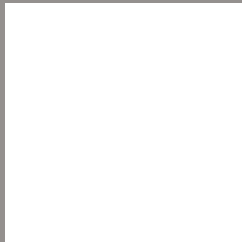
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1954, 0.3189, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 28.1954, 0.3189, 0.3322.



This preview shows how white text looks on a background with the Yxy color 28.1954, 0.3189, 0.3322.

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

28.1954, 0.3189, 0.3322

Protanopia

28.1954, 0.3189, 0.3322

Deuteranopia

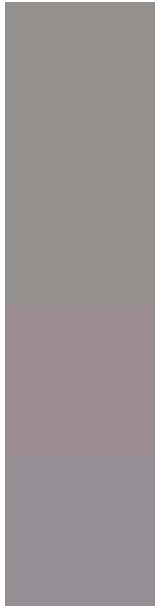
28.1103, 0.3305, 0.3244



Tritanopia

28.1299, 0.3104, 0.3118

Trichromacy



Original Color

28.1954, 0.3189, 0.3322

Protanomaly

28.1954, 0.3189, 0.3322

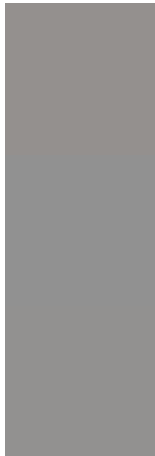
Deuteranomaly

28.0015, 0.3259, 0.3259

Tritanomaly

28.2044, 0.3132, 0.3195

Monochromacy



Original Color

28.1954, 0.3189, 0.3322

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.3754, 0.3147, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1954, 0.3189, 0.3322 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(148, 144, 142)` looks like.

```
.text, #text, p{  
    color:rgb(148, 144, 142)  
}
```

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(148, 144, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 144, 142) }
```

Border

The CSS property to change the border of an element to Yxy 28.1954, 0.3189, 0.3322 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(148, 144, 142) }
```

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

```
.border{ border-color:rgb(148, 144, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 144, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 144, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 144, 142);  
box-shadow:4px 4px 4px 4px rgb(148, 144,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1954, 0.3189, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 144, 142) }
```

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

```
.background{ background-color: rgb(148,  
144, 142) }
```

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