

Converting Colors

$Y_{xy}(31.3172, 0.3267, 0.3530)$

Have a look what the booklet for
Yxy(31.3172, 0.3267, 0.3530)
contains.

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Color

Yxy(31.2928, 0.3258, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	98998A
RGB	152, 153, 138
RGB Percent	60%, 60%, 54%
CMY	0.4041, 0.3999, 0.4588
CMYK	0.01, 0.00, 0.10, 0.40
HSL	64°, 7%, 57%
HSV	64°, 10%, 60%
XYZ	28.9225, 31.2928, 28.5586
YIQ	150.9910, 4.2190, -4.8770

Conversions

Conversions Part 2

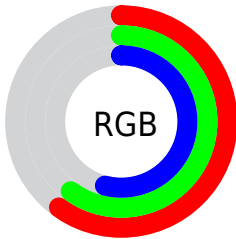
Format	Color
RYB	138, 153, 139
Decimal	10000778
CIELab	62.75, -3.15, 7.76
CIElCh	63, 8.375, 112.094
Yxy	31.2928, 0.3258, 0.3525
Android (android.graphics.Color)	4288190858 (0xFF98998A)
YUV	150.9910, -6.4046, 0.8849
Hunter-Lab	55.9400, -5.6054, 8.8891

Details

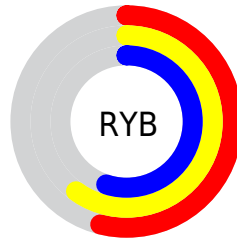
The Yxy color **31.2928, 0.3258, 0.3525** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.9689, 0.2990, 0.3045**, and the grayscale version is **30.9685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5090, 0.3233, 0.3478**, and **12.9740, 0.3303, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **30.7792, 0.3394, 0.3772**, and if you desaturate by 10%, it is **31.8725, 0.3125, 0.3286**.

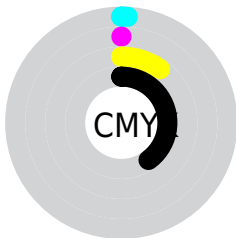
Distribution



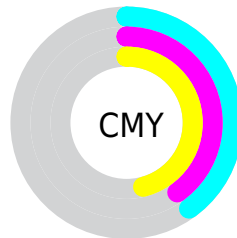
- Red (60%)
- Green (60%)
- Blue (54%)



- Red (54%)
- Yellow (60%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (10%)
- Black (40%)





- Cyan (40%)
- Magenta (40%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2928, 0.3258, 0.3525 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 31.2928, 0.3258, 0.3525 by changing the saturation by 10% instead.


 31.2928, 0.3258,
0.3525


 31.2928, 0.3258,
0.3525


307.8850, 0.3189,
0.3399

 20.8219, 0.3277,
0.3560


 61.7008, 0.3232,
0.3477

 12.9939, 0.3302,
0.3607


 82.4066, 0.3222,
0.3459

 7.4243, 0.3336,
0.3673


 107.2929, 0.3214,
0.3445

 3.7289, 0.3388,
0.3774

136.7441, 0.3208,
0.3433

 1.5231, 0.3473,
0.3948

171.1445, 0.3202,
0.3423

 0.3049, 0.4112,
0.5888

210.8785, 0.3197,

 0.0000, 0.0000,

0.3414

0.0000

256.3305, 0.3193,
0.3406

■ 31.2928, 0.3258,
0.3525

■ 31.2928, 0.3258,
0.3525

■ 30.7792, 0.3394,
0.3772

■ 31.8725, 0.3125,
0.3286

■ 30.3251, 0.3529,
0.4021

■ 32.5166, 0.2997,
0.3058

■ 29.9289, 0.3659,
0.4265

■ 33.2289, 0.2877,
0.2846

■ 29.5877, 0.3779,
0.4493

■ 34.0115, 0.2765,
0.2650

■ 29.2983, 0.3882,
0.4697

■ 34.8665, 0.2661,
0.2470

■ 29.0569, 0.3965,
0.4868

■ 35.7960, 0.2567,
0.2307

■ 28.8595, 0.4024,
0.5000

■ 36.8019, 0.2481,
0.2159

■ 28.7013, 0.4058,
0.5089

■ 37.5328, 0.2432,
0.2072

■ 28.5706, 0.4073,
0.5147

■ 37.6437, 0.2439,
0.2075

Harmonies

Analogous

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



31.2928, 0.3356, 0.3495



31.2928, 0.3258, 0.3525



31.2928, 0.3127, 0.3490

Triad

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



31.2928, 0.3258, 0.3525



31.2928, 0.2870, 0.3161



31.2928, 0.3256, 0.3186

Complementary

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



31.2928, 0.3258, 0.3525



25.9689, 0.2990, 0.3045

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.



31.2928, 0.3123, 0.3101



31.2928, 0.3258, 0.3525



31.2928, 0.2902, 0.3085

Square

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



31.2928, 0.3258, 0.3525



31.2928, 0.2904, 0.3275



31.2928, 0.2994, 0.3064



31.2928, 0.3355, 0.3298

Rectangle

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



31.2928, 0.3258, 0.3525



31.2928, 0.3038, 0.3433



31.2928, 0.2994, 0.3064



31.2928, 0.3214, 0.3154

Sweetspot

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



31.2942, 0.3258, 0.3525



56.7197, 0.3167, 0.3362



27.0730, 0.3292, 0.3306



12.5064, 0.3178, 0.3380



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.



31.2942, 0.3258, 0.3525



55.7994, 0.3291, 0.3584



30.5967, 0.3181, 0.3531



7.2010, 0.3250, 0.3511



23.6123, 0.4074, 0.5147



0.3587, 0.4131, 0.5102

Inverse Universe

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



25.9689, 0.2990, 0.3045



44.1028, 0.2953, 0.2980



26.6337, 0.3068, 0.3051



6.0459, 0.2998, 0.3061



1.9640, 0.1530, 0.0616



0.0342, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 31.2928, 0.3258, 0.3525 looks on a white background.

Color Contrast Check

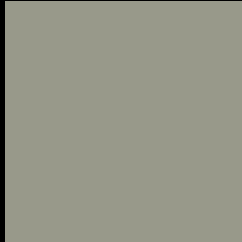
Large Text (above 18pt) WCAG AA × Fail

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 31.2928, 0.3258, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

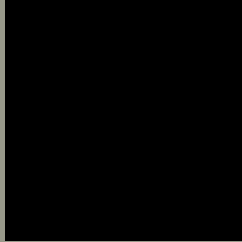
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

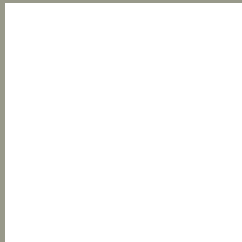
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2928, 0.3258, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 31.2928, 0.3258, 0.3525.



This preview shows how white text looks on a background with the Yxy color 31.2928, 0.3258, 0.3525.

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

31.2928, 0.3258, 0.3525

Protanopia

31.2085, 0.3334, 0.3506

Deuteranopia

31.0798, 0.3466, 0.3394



Tritanopia

31.3545, 0.3075, 0.3124

Trichromacy



Original Color

31.2928, 0.3258, 0.3525

Protanomaly

31.3305, 0.3311, 0.3522

Deuteranomaly

31.2515, 0.3383, 0.3441

Tritanomaly

31.3031, 0.3139, 0.3260

Monochromacy



Original Color

31.2928, 0.3258, 0.3525

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.1111, 0.3173, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2928, 0.3258, 0.3525 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(152, 153, 138)` looks like.

```
.text, #text, p{  
    color:rgb(152, 153, 138)  
}
```

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(152, 153, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 153, 138) }
```

Border

The CSS property to change the border of an element to Yxy 31.2928, 0.3258, 0.3525 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(152, 153, 138) }
```

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

```
.border{ border-color:rgb(152, 153, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 153, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 153, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 153, 138);  
box-shadow:4px 4px 4px 4px rgb(152, 153,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2928, 0.3258, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 153, 138) }
```

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

```
.background{ background-color: rgb(152,  
153, 138) }
```

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](#).

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