

Converting Colors

$Y_{xy}(31.1399, 0.2890, 0.3258)$

Have a look what the booklet for
Yxy(31.1399, 0.2890, 0.3258)
contains.

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Color

Yxy(31.2321, 0.2892, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	859C9E
RGB	133, 156, 158
RGB Percent	52%, 61%, 62%
CMY	0.4785, 0.3882, 0.3803
CMYK	0.16, 0.01, 0.00, 0.38
HSL	185°, 11%, 57%
HSV	185°, 16%, 62%
XYZ	27.7320, 31.2321, 36.9281
YIQ	149.3510, -14.3500, -4.2540

Conversions

Conversions Part 2

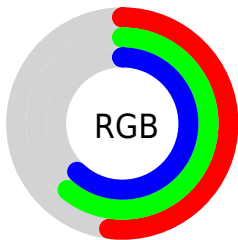
Format	Color
RYB	133, 145, 158
Decimal	8756382
CIELab	62.70, -7.61, -3.78
CIELCh	63, 8.497, 206.415
Yxy	31.2321, 0.2892, 0.3257
Android (android.graphics.Color)	4286946462 (0xFF859C9E)
YUV	149.3510, 4.2640, -14.3398
Hunter-Lab	55.8857, -9.2233, -0.0576

Details

The Yxy color **31.2321, 0.2892, 0.3257** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **26.2934, 0.3412, 0.3323**, and the grayscale version is **30.1962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3364, 0.2934, 0.3254**, and **13.0037, 0.2811, 0.3243** is the 20% darker color. If you saturate the color by 10%, you get **29.6163, 0.2753, 0.3234**, and if you desaturate by 10%, it is **33.0485, 0.3039, 0.3278**.

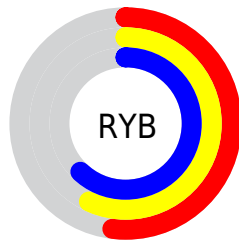
Distribution



Red (52%)

Green (61%)

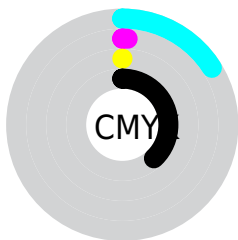
Blue (62%)



Red (52%)

Yellow (57%)

Blue (62%)

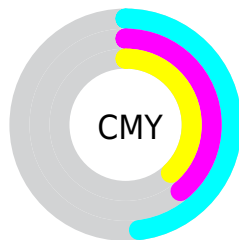


Cyan (16%)

Magenta (1%)

Yellow (0%)

Black (38%)



Cyan (48%)

Magenta (39%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.2321, 0.2892, 0.3257 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 31.2321, 0.2892, 0.3257 by changing the saturation by 10% instead.

■ 31.2321, 0.2892,
0.3257

■ 31.2321, 0.2892,
0.3257

■ 307.6062, 0.3017,
0.3276

■ 20.7756, 0.2858,
0.3252

■ 61.6053, 0.2939,
0.3264

■ 12.9601, 0.2813,
0.3244

■ 82.2909, 0.2956,
0.3267

■ 7.4011, 0.2750,
0.3233

■ 107.1549, 0.2971,
0.3269

■ 3.7142, 0.2656,
0.3215

■ 136.5818, 0.2983,
0.3271

■ 1.5150, 0.2499,
0.3181

■ 170.9560, 0.2993,
0.3272

■ 0.2992, 0.0999,
0.3029

■ 210.6619, 0.3002,

■ 0.0000, 0.0000,

0.3274

0.0000

256.0838, 0.3010,
0.3275

■ 31.2321, 0.2892,
0.3257

■ 31.2321, 0.2892,
0.3257

■ 29.6163, 0.2753,
0.3234

■ 33.0485, 0.3039,
0.3278

■ 28.1885, 0.2624,
0.3210

■ 35.0698, 0.3190,
0.3298

■ 26.9409, 0.2509,
0.3184

■ 37.3048, 0.3344,
0.3316

■ 25.8633, 0.2409,
0.3158

■ 39.7608, 0.3498,
0.3331

■ 24.9446, 0.2327,
0.3130

■ 42.4447, 0.3650,
0.3345

■ 24.1724, 0.2262,
0.3103

■ 45.3630, 0.3799,
0.3358

■ 23.5323, 0.2217,
0.3076

■ 48.5220, 0.3942,
0.3369

■ 23.0047, 0.2188,
0.3049

■ 51.0836, 0.4041,
0.3379

■ 22.7999, 0.2177,
0.3038

■ 51.5510, 0.4036,
0.3392

Harmonies

Analogous

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



31.2321, 0.2979, 0.3382



31.2321, 0.2892, 0.3257



31.2321, 0.2867, 0.3145

Triad

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



31.2321, 0.2892, 0.3257



31.2321, 0.3143, 0.3108



31.2321, 0.3348, 0.3506

Complementary

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



31.2321, 0.2892, 0.3257



26.2934, 0.3412, 0.3323

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.



31.2321, 0.3395, 0.3427



31.2321, 0.2892, 0.3257



31.2321, 0.3275, 0.3200

Square

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



31.2321, 0.2892, 0.3257



31.2321, 0.3009, 0.3063



31.2321, 0.3368, 0.3315



31.2321, 0.3242, 0.3528

Rectangle

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



31.2321, 0.2892, 0.3257



31.2321, 0.2888, 0.3092



31.2321, 0.3368, 0.3315



31.2321, 0.3371, 0.3485

Sweetspot

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



31.2334, 0.2892, 0.3257



60.2543, 0.3050, 0.3280



31.1883, 0.3093, 0.3675



13.5321, 0.3040, 0.3279



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



31.2334, 0.2892, 0.3257



55.6226, 0.2842, 0.3249



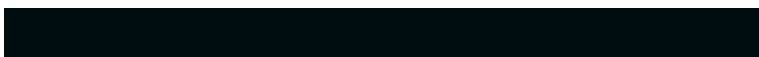
27.3505, 0.2884, 0.3059



7.4177, 0.2988, 0.3271



18.2794, 0.2178, 0.3041



0.3511, 0.2208, 0.3148

Inverse Universe

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



26.4414, 0.3166, 0.2938



45.2800, 0.3176, 0.2858



29.8867, 0.3383, 0.3511



6.7453, 0.3149, 0.3087



7.4675, 0.3419, 0.1657



0.1360, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 31.2321, 0.2892, 0.3257 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 31.2321, 0.2892, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

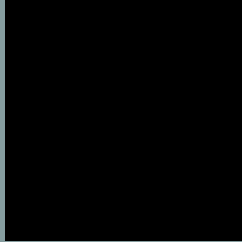
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

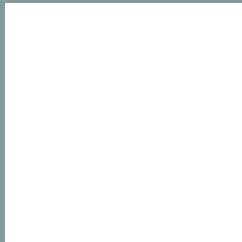
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2321, 0.2892, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 31.2321, 0.2892, 0.3257.

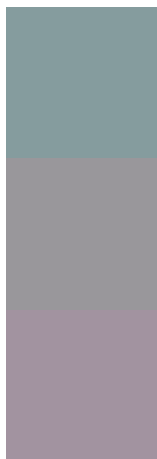


This preview shows how white text looks on a background with the Yxy color 31.2321, 0.2892, 0.3257.

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

31.2321, 0.2892, 0.3257

Protanopia

31.2721, 0.3110, 0.3229

Deuteranopia

31.0869, 0.3157, 0.3098



Tritanopia

31.3836, 0.2835, 0.3102

Trichromacy



Original Color

31.2321, 0.2892, 0.3257

Protanomaly

31.2938, 0.3031, 0.3243

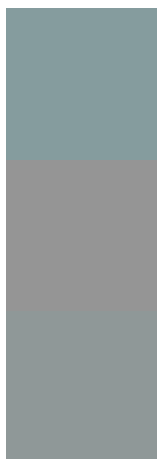
Deuteranomaly

30.8952, 0.3053, 0.3152

Tritanomaly

31.1914, 0.2851, 0.3148

Monochromacy



Original Color

31.2321, 0.2892, 0.3257

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5631, 0.3038, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2321, 0.2892, 0.3257 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(133, 156, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 156, 158)  
}
```

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(133, 156, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 156, 158) }
```

Border

The CSS property to change the border of an element to Yxy 31.2321, 0.2892, 0.3257 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(133, 156, 158) }
```

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

```
.border{ border-color:rgb(133, 156, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 156, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 156, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 156, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 156,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2321, 0.2892, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 156, 158) }
```

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

```
.background{ background-color: rgb(133,  
156, 158) }
```

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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