

Converting Colors

$Y_{xy}(33.2779, 0.2826, 0.3156)$

Have a look what the booklet for
Yxy(33.2779, 0.2826, 0.3156)
contains.

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Color

Yxy(33.1571, 0.2824, 0.3150)

Conversions

Conversions Part 1

Format	Color
Hex	87A0A9
RGB	135, 160, 169
RGB Percent	53%, 63%, 66%
CMY	0.4706, 0.3725, 0.3372
CMYK	0.20, 0.05, 0.00, 0.34
HSL	196°, 17%, 60%
HSV	196°, 20%, 66%
XYZ	29.7256, 33.1571, 42.3779
YIQ	153.5510, -17.7890, -2.5010

Conversions

Conversions Part 2

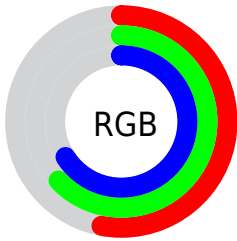
Format	Color
RYB	135, 149, 169
Decimal	8888489
CIELab	64.29, -6.68, -7.60
CIElCh	64, 10.114, 228.684
Yxy	33.1571, 0.2824, 0.3150
Android (android.graphics.Color)	4287078569 (0xFF87A0A9)
YUV	153.5510, 7.6164, -16.2692
Hunter-Lab	57.5822, -8.6220, -3.3273

Details

The Yxy color **33.1571, 0.2824, 0.3150** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1399, 0.3491, 0.3426**, and the grayscale version is **32.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8015, 0.2887, 0.3185**, and **14.1529, 0.2732, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **30.3401, 0.2678, 0.3071**, and if you desaturate by 10%, it is **36.2554, 0.2974, 0.3223**.

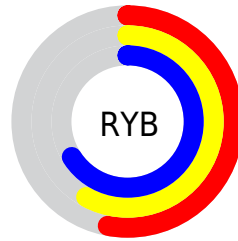
Distribution



Red (53%)

Green (63%)

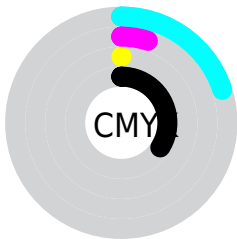
Blue (66%)



Red (53%)

Yellow (58%)

Blue (66%)

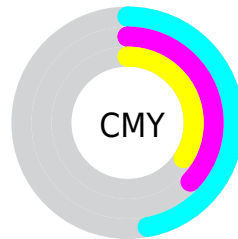


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (34%)



Cyan (47%)

Magenta (37%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1571, 0.2824, 0.3150 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 33.1571, 0.2824, 0.3150 by changing the saturation by 10% instead.

■ 33.1571, 0.2824,
0.3150

■ 33.1571, 0.2824,
0.3150

316.3570, 0.2983,
0.3225

■ 22.2468, 0.2782,
0.3129

■ 64.6207, 0.2884,
0.3179

■ 14.0384, 0.2726,
0.3101

■ 85.9429, 0.2905,
0.3189

■ 8.1474, 0.2649,
0.3062

■ 111.5044, 0.2924,
0.3198

■ 4.1894, 0.2536,
0.3002

141.6897, 0.2939,
0.3205

■ 1.7801, 0.2355,
0.2900

176.8833, 0.2952,
0.3211

■ 0.4747, 0.1589,
0.2618

217.4694, 0.2964,

■ 0.0000, 0.0000,

0.3217

0.0000

263.8325, 0.2974,
0.3221

■ 33.1571, 0.2824,
0.3150

■ 33.1571, 0.2824,
0.3150

■ 30.3401, 0.2678,
0.3071

■ 36.2554, 0.2974,
0.3223

■ 27.7893, 0.2538,
0.2986

■ 39.6413, 0.3125,
0.3289

■ 25.4941, 0.2409,
0.2895

■ 43.3258, 0.3275,
0.3349

■ 23.4415, 0.2293,
0.2801

■ 47.3184, 0.3422,
0.3402

■ 21.6172, 0.2193,
0.2704

■ 51.6277, 0.3564,
0.3449

■ 20.0049, 0.2112,
0.2606

■ 56.2622, 0.3701,
0.3491

■ 18.5857, 0.2050,
0.2508

■ 61.2300, 0.3831,
0.3527

■ 17.3328, 0.2003,
0.2412

■ 63.5371, 0.3829,
0.3572

■ 65.5869, 0.3814,
0.3618

Harmonies

Analogous

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



33.1571, 0.2873, 0.3289



33.1571, 0.2824, 0.3150



33.1571, 0.2853, 0.3054

Triad

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



33.1571, 0.2824, 0.3150



33.1571, 0.3263, 0.3154



33.1571, 0.3298, 0.3569

Complementary

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



33.1571, 0.2824, 0.3150



30.1399, 0.3491, 0.3426

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.



33.1571, 0.3407, 0.3523



33.1571, 0.2824, 0.3150



33.1571, 0.3387, 0.3283

Square

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



33.1571, 0.2824, 0.3150



33.1571, 0.3104, 0.3059



33.1571, 0.3440, 0.3418



33.1571, 0.3144, 0.3536

Rectangle

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



33.1571, 0.2824, 0.3150



33.1571, 0.2914, 0.3025



33.1571, 0.3440, 0.3418



33.1571, 0.3341, 0.3562

Sweetspot

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



33.1585, 0.2824, 0.3150



67.2876, 0.3035, 0.3250



35.5327, 0.3033, 0.3693



14.5856, 0.3026, 0.3246



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.



33.1585, 0.2824, 0.3150



57.1381, 0.2760, 0.3117



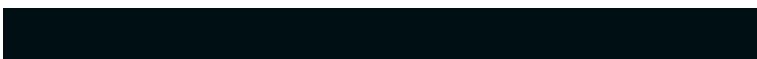
27.8145, 0.2808, 0.2887



8.1905, 0.2987, 0.3229



13.0059, 0.2006, 0.2422



0.3934, 0.2095, 0.2742

Inverse Universe

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



28.3045, 0.3243, 0.2926



47.0471, 0.3273, 0.2845



35.5071, 0.3446, 0.3663



7.6322, 0.3176, 0.3126



7.3840, 0.4001, 0.1977



0.1874, 0.3689, 0.1806

Previews

White Background



This preview shows how the Yxy color 33.1571, 0.2824, 0.3150 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 33.1571, 0.2824, 0.3150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

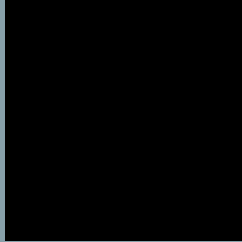
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

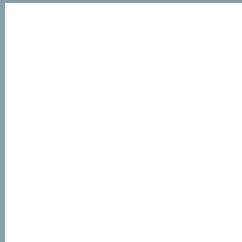
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.1571, 0.2824, 0.3150

Background



This preview shows how black text looks on a background with the Yxy color 33.1571, 0.2824, 0.3150.

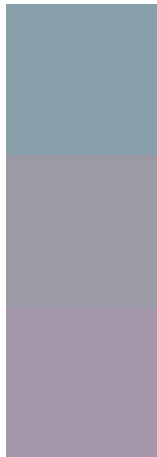


This preview shows how white text looks on a background with the Yxy color 33.1571, 0.2824, 0.3150.

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

33.1571, 0.2824, 0.3150

Protanopia

33.1644, 0.3028, 0.3127

Deuteranopia

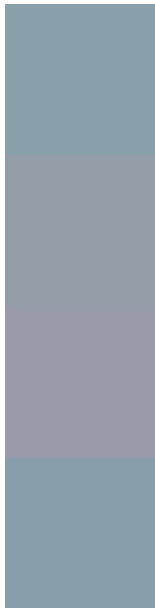
32.9660, 0.3072, 0.3002



Tritanopia

33.0091, 0.2808, 0.3090

Trichromacy



Original Color

33.1571, 0.2824, 0.3150

Protanomaly

33.1999, 0.2954, 0.3139

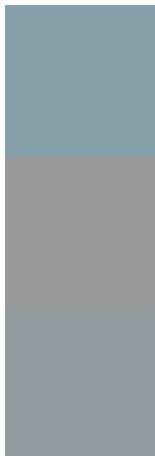
Deuteranomaly

32.7858, 0.2974, 0.3052

Tritanomaly

32.9708, 0.2816, 0.3105

Monochromacy



Original Color

33.1571, 0.2824, 0.3150

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4832, 0.3014, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1571, 0.2824, 0.3150 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(135, 160, 169)` looks like.

```
.text, #text, p{  
    color:rgb(135, 160, 169)  
}
```

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(135, 160, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 160, 169) }
```

Border

The CSS property to change the border of an element to Yxy 33.1571, 0.2824, 0.3150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

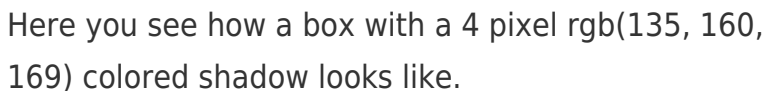
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 160, 169) }
```

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

```
.border{ border-color:rgb(135, 160, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 160, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 160, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 160, 169);  
box-shadow:4px 4px 4px 4px rgb(135, 160,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1571, 0.2824, 0.3150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 160, 169) }
```

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

```
.background{ background-color: rgb(135,  
160, 169) }
```

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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