

Converting Colors

$Yxy(33.1389, 0.2755, 0.3136)$

Have a look what the booklet for
Yxy(33.1389, 0.2755, 0.3136)
contains.

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Color

Yxy(33.0192, 0.2751, 0.3133)

Conversions

Conversions Part 1

Format	Color
Hex	80A1AB
RGB	128, 161, 171
RGB Percent	50%, 63%, 67%
CMY	0.4982, 0.3686, 0.3294
CMYK	0.25, 0.06, 0.00, 0.33
HSL	194°, 20%, 59%
HSV	194°, 25%, 67%
XYZ	28.9932, 33.0192, 43.3792
YIQ	152.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

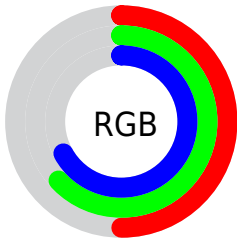
Format	Color
R _Y B	128, 147, 171
Decimal	8429995
CIE Lab	64.18, -9.01, -8.93
CIE LCh	64, 12.683, 224.752
Yxy	33.0192, 0.2751, 0.3133
Android (android.graphics.Color)	4286620075 (0xFF80A1AB)
YUV	152.2730, 9.2324, -21.2874
Hunter-Lab	57.4623, -10.4950, -4.5353

Details

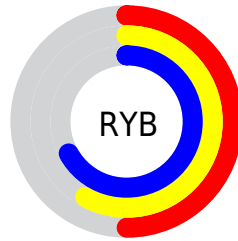
The Yxy color **33.0192, 0.2751, 0.3133** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.3808, 0.3610, 0.3441**, and the grayscale version is **31.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5478, 0.2829, 0.3172**, and **13.8470, 0.2623, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **30.4385, 0.2610, 0.3061**, and if you desaturate by 10%, it is **35.8702, 0.2898, 0.3200**.

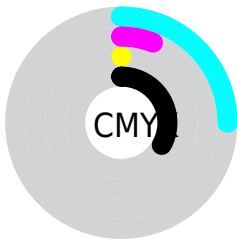
Distribution



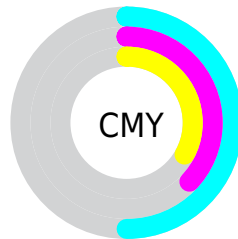
- Red (50%)
- Green (63%)
- Blue (67%)



- Red (50%)
- Yellow (58%)
- Blue (67%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (50%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0192, 0.2751, 0.3133 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 33.0192, 0.2751, 0.3133 by changing the saturation by 10% instead.


 33.0192, 0.2751,
0.3133


 33.0192, 0.2751,
0.3133


315.7362, 0.2948,
0.3218


 22.1412, 0.2699,
0.3109


 64.4055, 0.2825,
0.3166

 13.9607, 0.2631,
0.3077

 85.6826, 0.2852,
0.3178

 8.0933, 0.2536,
0.3032


 111.1947, 0.2874,
0.3187

 4.1547, 0.2398,
0.2962

141.3264, 0.2893,
0.3195

 1.7605, 0.2179,
0.2843

176.4620, 0.2910,
0.3202

 0.4624, 0.1207,
0.2542

216.9859, 0.2924,

 0.0000, 0.0000,

0.3208

0.0000

263.2825, 0.2937,
0.3214

■ 33.0192, 0.2751,
0.3133

■ 33.0192, 0.2751,
0.3133

■ 30.4385, 0.2610,
0.3061

■ 35.8702, 0.2898,
0.3200

■ 28.1124, 0.2479,
0.2985

■ 38.9982, 0.3049,
0.3261

■ 26.0296, 0.2360,
0.2904

■ 42.4148, 0.3200,
0.3316

■ 24.1765, 0.2256,
0.2821

■ 46.1295, 0.3350,
0.3366

■ 22.5375, 0.2170,
0.2737

■ 50.1515, 0.3496,
0.3410

■ 21.0948, 0.2103,
0.2652

■ 54.4894, 0.3638,
0.3449

■ 19.8265, 0.2055,
0.2567

■ 59.1516, 0.3775,
0.3483

■ 19.2526, 0.2035,
0.2527

■ 62.2466, 0.3823,
0.3520

■ 64.0239, 0.3810,
0.3561

Harmonies

Analogous

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



33.0192, 0.2824, 0.3312



33.0192, 0.2751, 0.3133



33.0192, 0.2774, 0.3005

Triad

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



33.0192, 0.2751, 0.3133



33.0192, 0.3272, 0.3101



33.0192, 0.3363, 0.3639

Complementary

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



33.0192, 0.2751, 0.3133



28.3808, 0.3610, 0.3441

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.



33.0192, 0.3490, 0.3568



33.0192, 0.2751, 0.3133



33.0192, 0.3438, 0.3258

Square

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



33.0192, 0.2751, 0.3133



33.0192, 0.3070, 0.2992



33.0192, 0.3519, 0.3427



33.0192, 0.3174, 0.3612

Rectangle

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



33.0192, 0.2751, 0.3133



33.0192, 0.2842, 0.2963



33.0192, 0.3519, 0.3427



33.0192, 0.3414, 0.3625

Sweetspot

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



33.0205, 0.2751, 0.3133



68.1195, 0.3004, 0.3243



35.5307, 0.3021, 0.3834



15.0043, 0.2982, 0.3234



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.0205, 0.2751, 0.3133



56.5955, 0.2675, 0.3095



26.3278, 0.2722, 0.2794



8.7519, 0.2986, 0.3236



14.5941, 0.2038, 0.2535



0.4820, 0.2108, 0.2789

Inverse Universe

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



26.6595, 0.3263, 0.2811



43.5223, 0.3298, 0.2706



34.9487, 0.3539, 0.3741



8.1158, 0.3172, 0.3118



7.7763, 0.3888, 0.1915



0.2240, 0.3645, 0.1781

Previews

White Background



This preview shows how the Yxy color 33.0192, 0.2751, 0.3133 looks on a white background.

Color Contrast Check

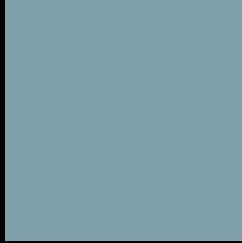
Large Text (above 18pt) WCAG AA × Fail

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 33.0192, 0.2751, 0.3133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

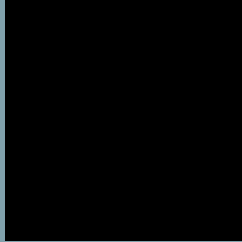
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

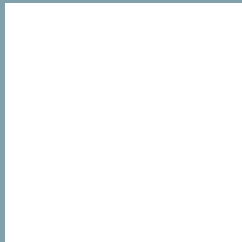
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0192, 0.2751, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 33.0192, 0.2751, 0.3133.



This preview shows how white text looks on a background with the Yxy color 33.0192, 0.2751, 0.3133.

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

33.0192, 0.2751, 0.3133

Protanopia

32.8698, 0.3020, 0.3097

Deuteranopia

32.8317, 0.3034, 0.2973



Tritanopia

33.0961, 0.2736, 0.3103

Trichromacy



Original Color

33.0192, 0.2751, 0.3133

Protanomaly

32.9608, 0.2918, 0.3123

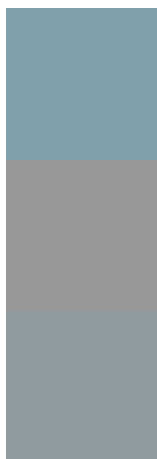
Deuteranomaly

32.9053, 0.2930, 0.3037

Tritanomaly

33.0575, 0.2744, 0.3118

Monochromacy



Original Color

33.0192, 0.2751, 0.3133

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.7855, 0.2976, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0192, 0.2751, 0.3133 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(128, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 171)  
}
```

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(128, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.0192, 0.2751, 0.3133 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(128, 161, 171) }
```

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

```
.border{ border-color:rgb(128, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0192, 0.2751, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 161, 171) }
```

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

```
.background{ background-color: rgb(128,  
161, 171) }
```

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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