

Converting Colors

$Y_{xy}(33.7531, 0.2529, 0.3175)$

Have a look what the booklet for
Yxy(33.7531, 0.2529, 0.3175)
contains.

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Color

Yxy(33.7531, 0.2529, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	63A8AF
RGB	99, 168, 175
RGB Percent	39%, 66%, 69%
CMY	0.6119, 0.3412, 0.3136
CMYK	0.43, 0.04, 0.00, 0.31
HSL	186°, 32%, 54%
HSV	186°, 43%, 69%
XYZ	26.8855, 33.7531, 45.6703
YIQ	148.1670, -43.3710, -12.4510

Conversions

Conversions Part 2

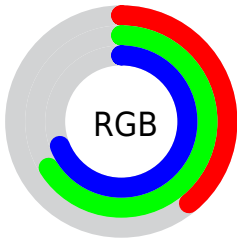
Format	Color
R _Y B	99, 135, 175
Decimal	6531247
CIE Lab	64.77, -19.91, -10.46
CIE LCh	65, 22.491, 207.713
Yxy	33.7531, 0.2529, 0.3175
Android (android.graphics.Color)	4284721327 (0xFF63A8AF)
YUV	148.1670, 13.2287, -43.1195
Hunter-Lab	58.0974, -19.0667, -5.9396

Details

The Yxy color **33.7531, 0.2529, 0.3175** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3243, 0.4195, 0.3398**, and the grayscale version is **29.6432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4149, 0.2642, 0.3192**, and **14.4344, 0.2341, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **32.2803, 0.2424, 0.3145**, and if you desaturate by 10%, it is **35.4496, 0.2649, 0.3204**.

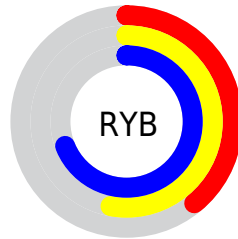
Distribution



Red (39%)

Green (66%)

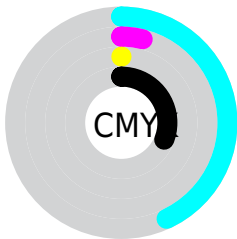
Blue (69%)



Red (39%)

Yellow (53%)

Blue (69%)

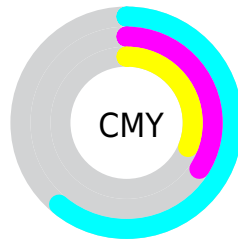


Cyan (43%)

Magenta (4%)

Yellow (0%)

Black (31%)



Cyan (61%)


Magenta (34%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7531, 0.2529, 0.3175 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 33.7531, 0.2529, 0.3175 by changing the saturation by 10% instead.


 33.7531, 0.2529,
0.3175


 33.7531, 0.2529,
0.3175


319.0297, 0.2838,
0.3242


 22.7040, 0.2449,
0.3155


 65.5495, 0.2644,
0.3202

 14.3751, 0.2344,
0.3127


 87.0656, 0.2686,
0.3211

 8.3820, 0.2202,
0.3085


 112.8396, 0.2722,
0.3219

 4.3403, 0.2000,
0.3018

 143.2556, 0.2752,
0.3225

 1.8657, 0.1690,
0.2897

178.6983, 0.2778,
0.3230

 0.5276, 0.0082,
0.2791

219.5519, 0.2801,

 0.0000, 0.0000,

0.3235

0.0000

266.2010, 0.2820,
0.3239

■ 33.7531, 0.2529,
0.3175

■ 33.7531, 0.2529,
0.3175

■ 32.2803, 0.2424,
0.3145

■ 35.4496, 0.2649,
0.3204

■ 31.0132, 0.2336,
0.3113

■ 37.3785, 0.2782,
0.3232

■ 29.9376, 0.2266,
0.3082


■ 39.5529, 0.2925,
0.3258


■ 29.0355, 0.2215,
0.3050

■ 41.9837, 0.3074,
0.3282


■ 28.2854, 0.2182,
0.3019

■ 44.6812, 0.3228,
0.3304

 27.8462, 0.2166,
0.2999

 47.6551, 0.3383,
0.3324

 50.9144, 0.3537,
0.3342

 54.4680, 0.3689,
0.3357

 58.0396, 0.3823,
0.3371

Harmonies

Analogous

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



33.7531, 0.2734, 0.3514



33.7531, 0.2529, 0.3175



33.7531, 0.2477, 0.2895

Triad

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



33.7531, 0.2529, 0.3175



33.7531, 0.3176, 0.2849



33.7531, 0.3684, 0.3846

Complementary

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



33.7531, 0.2529, 0.3175



20.3243, 0.4195, 0.3398

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.



33.7531, 0.3822, 0.3632



33.7531, 0.2529, 0.3175



33.7531, 0.3521, 0.3071

Square

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



33.7531, 0.2529, 0.3175



33.7531, 0.2835, 0.2729



33.7531, 0.3763, 0.3351



33.7531, 0.3398, 0.3917

Rectangle

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



33.7531, 0.2529, 0.3175



33.7531, 0.2532, 0.2776



33.7531, 0.3763, 0.3351



33.7531, 0.3750, 0.3787

Sweetspot

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



33.7544, 0.2529, 0.3175



70.9064, 0.2928, 0.3259



34.3488, 0.3022, 0.4504



15.5624, 0.2897, 0.3253



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.7544, 0.2529, 0.3175



57.9281, 0.2429, 0.3146



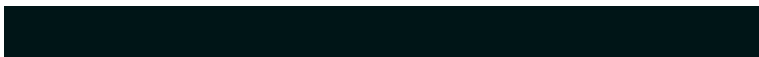
21.8888, 0.2421, 0.2529



8.9437, 0.2986, 0.3268



19.9816, 0.2167, 0.3003



0.5918, 0.2194, 0.3097

Inverse Universe

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



20.8625, 0.3260, 0.2328



32.2069, 0.3294, 0.2142



29.7642, 0.3946, 0.3940



8.1351, 0.3151, 0.3087



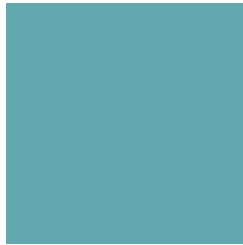
8.3202, 0.3452, 0.1675



0.2351, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 33.7531, 0.2529, 0.3175 looks on a white background.

Color Contrast Check

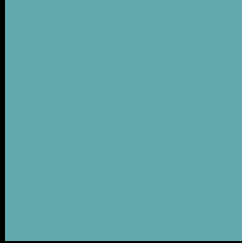
Large Text (above 18pt) WCAG AA × Fail

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 33.7531, 0.2529, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

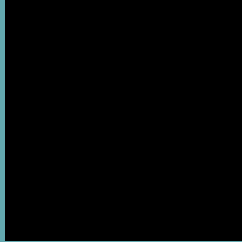
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7531, 0.2529, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 33.7531, 0.2529, 0.3175.

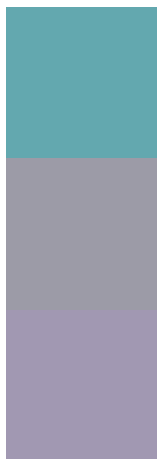


This preview shows how white text looks on a background with the Yxy color 33.7531, 0.2529, 0.3175.

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

33.7531, 0.2529, 0.3175

Protanopia

33.3006, 0.3029, 0.3113

Deuteranopia

33.2479, 0.2980, 0.2918



Tritanopia

33.7403, 0.2501, 0.3066

Trichromacy



Original Color

33.7531, 0.2529, 0.3175

Protanomaly

33.1948, 0.2816, 0.3135

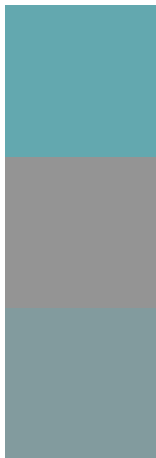
Deuteranomaly

33.0313, 0.2785, 0.3002

Tritanomaly

33.6014, 0.2508, 0.3097

Monochromacy



Original Color

33.7531, 0.2529, 0.3175

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6571, 0.2865, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7531, 0.2529, 0.3175 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(99, 168, 175)` looks like.

```
.text, #text, p{  
    color:rgb(99, 168, 175)  
}
```

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(99, 168, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 168, 175) }
```

Border

The CSS property to change the border of an element to Yxy 33.7531, 0.2529, 0.3175 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(99, 168, 175) }
```

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

```
.border{ border-color:rgb(99, 168, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 168, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 168, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 168, 175);  
box-shadow:4px 4px 4px 4px rgb(99, 168,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7531, 0.2529, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 168, 175) }
```

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

```
.background{ background-color: rgb(99, 168,  
175) }
```

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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