

Converting Colors

$Y_{xy}(30.7131, 0.2733, 0.3751)$

Have a look what the booklet for
Yxy(30.7131, 0.2733, 0.3751)
contains.

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Color

Yxy(30.7131, 0.2733, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	5DA48A
RGB	93, 164, 138
RGB Percent	36%, 64%, 54%
CMY	0.6352, 0.3569, 0.4589
CMYK	0.43, 0.00, 0.16, 0.36
HSL	158°, 28%, 50%
HSV	158°, 43%, 64%
XYZ	22.3777, 30.7131, 28.7889
YIQ	139.8070, -33.9700, -23.1380

Conversions

Conversions Part 2

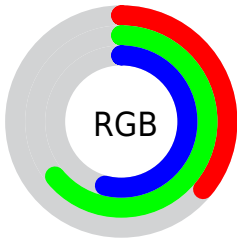
Format	Color
RYB	93, 136, 164
Decimal	6136970
CIELab	62.26, -28.61, 6.57
CIELCh	62, 29.351, 167.060
Yxy	30.7131, 0.2733, 0.3751
Android (android.graphics.Color)	4284327050 (0xFF5DA48A)
YUV	139.8070, -0.8909, -41.0497
Hunter-Lab	55.4194, -24.9076, 7.9940

Details

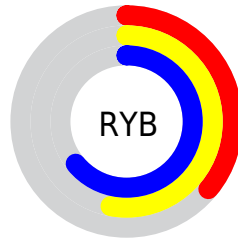
The Yxy color **30.7131, 0.2733, 0.3751** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0575, 0.3812, 0.2882**, and the grayscale version is **26.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6277, 0.2819, 0.3654**, and **12.7243, 0.2593, 0.3932** is the 20% darker color. If you saturate the color by 10%, you get **29.7789, 0.2667, 0.3881**, and if you desaturate by 10%, it is **31.8430, 0.2811, 0.3629**.

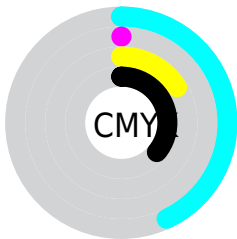
Distribution



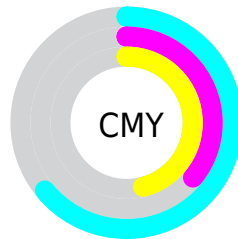
- Red (36%)
- Green (64%)
- Blue (54%)



- Red (36%)
- Yellow (53%)
- Blue (64%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (36%)





- Cyan (64%)
- Magenta (36%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7131, 0.2733, 0.3751 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 30.7131, 0.2733, 0.3751 by changing the saturation by 10% instead.


 30.7131, 0.2733,
0.3751


 30.7131, 0.2733,
0.3751


305.2144, 0.2947,
0.3498

 20.3805, 0.2674,
0.3823


 60.7881, 0.2815,
0.3653


 12.6719, 0.2593,
0.3921


 81.2993, 0.2844,
0.3618

 7.2030, 0.2478,
0.4064


 105.9720, 0.2869,
0.3589

 3.5894, 0.2302,
0.4289

 135.1909, 0.2889,
0.3565

 1.4466, 0.1936,
0.4729

169.3401, 0.2907,
0.3544

 0.2507, 0.0000,
1.0000

208.8042, 0.2922,

 0.0000, 0.0000,

0.3527

0.0000

253.9675, 0.2935,
0.3511

■ 30.7131, 0.2733,
0.3751

■ 30.7131, 0.2733,
0.3751

■ 29.7789, 0.2667,
0.3881

■ 31.8430, 0.2811,
0.3629

■ 29.0246, 0.2617,
0.4016

■ 33.1757, 0.2900,
0.3516

■ 28.4380, 0.2585,
0.4155


■ 34.7227, 0.2995,
0.3413

■ 28.0040, 0.2572,
0.4295

■ 36.4933, 0.3094,
0.3319

■ 27.7042, 0.2579,
0.4433


■ 38.4964, 0.3195,
0.3234

 27.5490, 0.2590,
0.4525

 40.7404, 0.3297,
0.3160

 43.2331, 0.3397,
0.3093

 45.9822, 0.3495,
0.3035

 48.9950, 0.3590,
0.2984

Harmonies

Analogous

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



30.7131, 0.3180, 0.4076



30.7131, 0.2733, 0.3751



30.7131, 0.2407, 0.3286

Triad

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



30.7131, 0.2733, 0.3751



30.7131, 0.2599, 0.2535



30.7131, 0.4068, 0.3601

Complementary

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



30.7131, 0.2733, 0.3751



17.0575, 0.3812, 0.2882

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.



30.7131, 0.3895, 0.3224



30.7131, 0.2733, 0.3751



30.7131, 0.3017, 0.2637

Square

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



30.7131, 0.2733, 0.3751



30.7131, 0.2337, 0.2608



30.7131, 0.3498, 0.2883



30.7131, 0.3965, 0.3937

Rectangle

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



30.7131, 0.2733, 0.3751



30.7131, 0.2292, 0.2993



30.7131, 0.3498, 0.2883



30.7131, 0.4041, 0.3476

Sweetspot

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



30.7143, 0.2733, 0.3751



63.0373, 0.2995, 0.3412



31.2674, 0.3298, 0.4510



13.6442, 0.2975, 0.3433



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.7143, 0.2733, 0.3751



54.0991, 0.2669, 0.3876



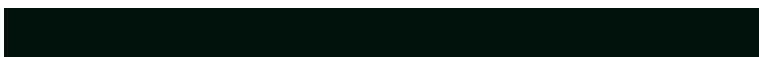
28.2976, 0.2525, 0.3125



7.9670, 0.3034, 0.3374



21.1321, 0.2587, 0.4512



0.4526, 0.2448, 0.4014

Inverse Universe

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



17.0575, 0.3812, 0.2882



25.9926, 0.4051, 0.2798



18.2815, 0.4160, 0.3443



7.1269, 0.3230, 0.3208



6.3111, 0.5466, 0.2785



0.1415, 0.4525, 0.2267

Previews

White Background



This preview shows how the Yxy color 30.7131, 0.2733, 0.3751 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 30.7131, 0.2733, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

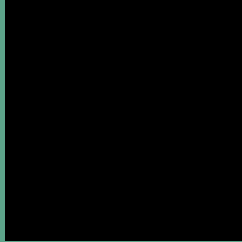
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7131, 0.2733, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 30.7131, 0.2733, 0.3751.

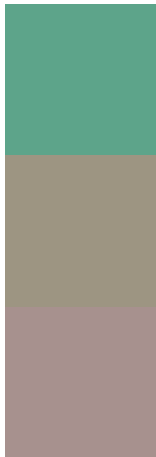


This preview shows how white text looks on a background with the Yxy color 30.7131, 0.2733, 0.3751.

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

30.7131, 0.2733, 0.3751

Protanopia

30.2747, 0.3398, 0.3587

Deuteranopia

30.4193, 0.3393, 0.3336



Tritanopia

30.5996, 0.2544, 0.3075

Trichromacy



Original Color

30.7131, 0.2733, 0.3751

Protanomaly

29.8730, 0.3121, 0.3639

Deuteranomaly

29.9550, 0.3109, 0.3468

Tritanomaly

30.6805, 0.2611, 0.3305

Monochromacy



Original Color

30.7131, 0.2733, 0.3751

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.5699, 0.2960, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7131, 0.2733, 0.3751 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(93, 164, 138)` looks like.

```
.text, #text, p{  
    color:rgb(93, 164, 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(93, 164, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 164, 138) }
```

Border

The CSS property to change the border of an element to Yxy 30.7131, 0.2733, 0.3751 is called "border". The border property can be set on classes, ids or directly on the HTML element.

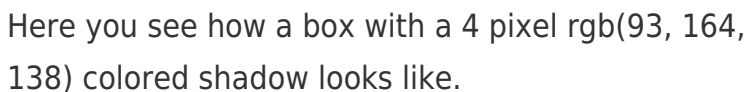
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 164, 138) }
```

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

```
.border{ border-color:rgb(93, 164, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 164, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 164, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 164, 138);  
box-shadow:4px 4px 4px 4px rgb(93, 164,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7131, 0.2733, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 164, 138) }
```

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

```
.background{ background-color: rgb(93, 164,  
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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