

Converting Colors

$Yxy(31.9123, 0.2687, 0.3511)$

Have a look what the booklet for
Yxy(31.9123, 0.2687, 0.3511)
contains.

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Color

Yxy(31.8866, 0.2684, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	64A598
RGB	100, 165, 152
RGB Percent	39%, 65%, 60%
CMY	0.6076, 0.3530, 0.4039
CMYK	0.39, 0.00, 0.08, 0.35
HSL	168°, 27%, 52%
HSV	168°, 39%, 65%
XYZ	24.3828, 31.8866, 34.5756
YIQ	144.0830, -34.5670, -17.8230

Conversions

Conversions Part 2

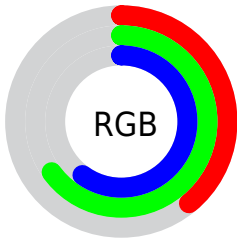
Format	Color
RYB	100, 136, 165
Decimal	6595992
CIELab	63.25, -23.89, 0.19
CIELCh	63, 23.891, 179.548
Yxy	31.8866, 0.2684, 0.3510
Android (android.graphics.Color)	4284786072 (0xFF64A598)
YUV	144.0830, 3.9031, -38.6608
Hunter-Lab	56.4682, -21.7436, 3.2244

Details

The Yxy color **31.8866, 0.2684, 0.3510** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3176, 0.3887, 0.3087**, and the grayscale version is **27.9251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5127, 0.2775, 0.3465**, and **13.3542, 0.2536, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **30.9331, 0.2598, 0.3576**, and if you desaturate by 10%, it is **33.0363, 0.2784, 0.3448**.

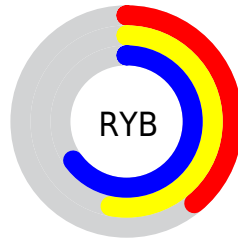
Distribution



Red (39%)

Green (65%)

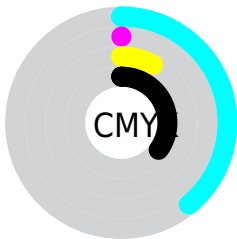
Blue (60%)



Red (39%)

Yellow (53%)

Blue (65%)

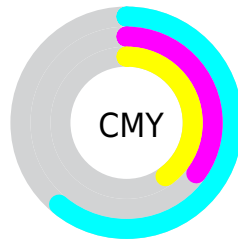


Cyan (39%)

Magenta (0%)

Yellow (8%)

Black (35%)



Cyan (61%)

Magenta (35%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8866, 0.2684, 0.3510 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 31.8866, 0.2684, 0.3510 by changing the saturation by 10% instead.

■ 31.8866, 0.2684,
0.3510

■ 31.8866, 0.2684,
0.3510

310.6024, 0.2919,
0.3393

■ 21.2749, 0.2621,
0.3541

■ 62.6333, 0.2773,
0.3466

■ 13.3251, 0.2537,
0.3583

■ 83.5370, 0.2805,
0.3450

■ 7.6528, 0.2419,
0.3642

■ 108.6403, 0.2832,
0.3437

■ 3.8736, 0.2245,
0.3729

■ 138.3274, 0.2855,
0.3425

■ 1.6031, 0.1959,
0.3872

172.9827, 0.2874,
0.3416

■ 0.3597, 0.0000,
0.4873

212.9908, 0.2891,

■ 0.0000, 0.0000,

0.3407

0.0000

258.7358, 0.2906,
0.3400

■ 31.8866, 0.2684,
0.3510

■ 31.8866, 0.2684,
0.3510

■ 30.9331, 0.2598,
0.3576

■ 33.0363, 0.2784,
0.3448

■ 30.1602, 0.2528,
0.3645

■ 34.3889, 0.2894,
0.3389

■ 29.5565, 0.2475,
0.3716

■ 35.9555, 0.3012,
0.3336


■ 29.1074, 0.2441,
0.3788


■ 37.7454, 0.3135,
0.3287

■ 28.7958, 0.2426,
0.3860


■ 39.7671, 0.3261,
0.3243


 28.5863, 0.2427,
0.3931

 42.0290, 0.3388,
0.3204

 28.5736, 0.2427,
0.3936

 44.5388, 0.3514,
0.3169

 47.3039, 0.3638,
0.3139

 50.3314, 0.3758,
0.3112

Harmonies

Analogous

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



31.8866, 0.3018, 0.3827



31.8866, 0.2684, 0.3510



31.8866, 0.2474, 0.3142

Triad

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



31.8866, 0.2684, 0.3510



31.8866, 0.2831, 0.2690



31.8866, 0.3876, 0.3674

Complementary

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



31.8866, 0.2684, 0.3510



18.3176, 0.3887, 0.3087

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.



31.8866, 0.3826, 0.3372



31.8866, 0.2684, 0.3510



31.8866, 0.3203, 0.2827

Square

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



31.8866, 0.2684, 0.3510



31.8866, 0.2555, 0.2692



31.8866, 0.3574, 0.3070



31.8866, 0.3713, 0.3900

Rectangle

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



31.8866, 0.2684, 0.3510



31.8866, 0.2424, 0.2932



31.8866, 0.3574, 0.3070



31.8866, 0.3884, 0.3577

Sweetspot

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



31.8879, 0.2684, 0.3510



63.5552, 0.2977, 0.3351



31.4154, 0.3196, 0.4421



13.8185, 0.2963, 0.3357



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.



31.8879, 0.2684, 0.3510



55.6377, 0.2610, 0.3566



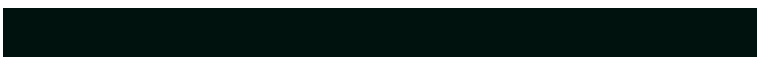
26.1710, 0.2546, 0.2972



7.9869, 0.3013, 0.3335



21.6251, 0.2425, 0.3928



0.4602, 0.2353, 0.3670

Inverse Universe

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



18.3176, 0.3887, 0.3087



27.9662, 0.4142, 0.3046



21.9847, 0.3968, 0.3582



7.1081, 0.3255, 0.3245



6.1407, 0.6034, 0.3097



0.1350, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 31.8866, 0.2684, 0.3510 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 31.8866, 0.2684, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

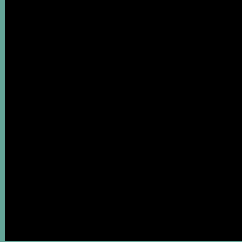
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8866, 0.2684, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 31.8866, 0.2684, 0.3510.

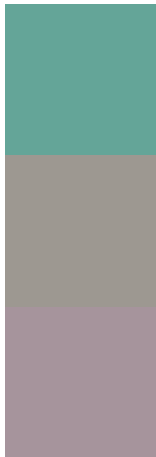


This preview shows how white text looks on a background with the Yxy color 31.8866, 0.2684, 0.3510.

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

31.8866, 0.2684, 0.3510

Protanopia

31.6689, 0.3244, 0.3397

Deuteranopia

31.6871, 0.3236, 0.3173



Tritanopia

32.0000, 0.2560, 0.3079

Trichromacy



Original Color

31.8866, 0.2684, 0.3510

Protanomaly

31.4863, 0.3005, 0.3434

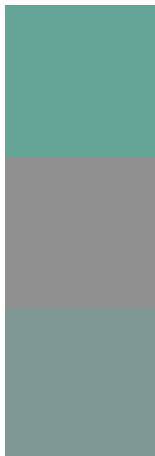
Deuteranomaly

31.2285, 0.3001, 0.3274

Tritanomaly

31.9275, 0.2602, 0.3223

Monochromacy



Original Color

31.8866, 0.2684, 0.3510

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1523, 0.2938, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8866, 0.2684, 0.3510 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(100, 165, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 165, 152)  
}
```

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(100, 165, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 165, 152) }
```

Border

The CSS property to change the border of an element to Yxy 31.8866, 0.2684, 0.3510 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(100, 165, 152) }
```

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

```
.border{ border-color:rgb(100, 165, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 165, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 165, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 165, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 165,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8866, 0.2684, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 165, 152) }
```

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

```
.background{ background-color: rgb(100,  
165, 152) }
```

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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