

Converting Colors

$Y_{xy}(31.8718, 0.2583, 0.3831)$

Have a look what the booklet for
Yxy(31.8718, 0.2583, 0.3831)
contains.

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Color

Yxy(31.8718, 0.2583, 0.3831)

Conversions

Conversions Part 1

Format	Color
Hex	44AA8C
RGB	68, 170, 140
RGB Percent	27%, 67%, 55%
CMY	0.7336, 0.3333, 0.4509
CMYK	0.60, 0.00, 0.18, 0.33
HSL	162°, 43%, 47%
HSV	162°, 60%, 67%
XYZ	21.4891, 31.8718, 29.8335
YIQ	136.0820, -51.1620, -30.9540

Conversions

Conversions Part 2

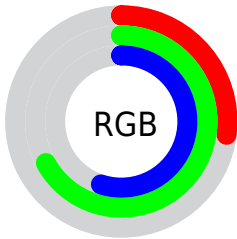
Format	Color
RYB	68, 128, 170
Decimal	4500108
CIELab	63.24, -36.94, 6.71
CIElCh	63, 37.543, 169.697
Yxy	31.8718, 0.2583, 0.3831
Android (android.graphics.Color)	4282690188 (0xFF44AA8C)
YUV	136.0820, 1.9316, -59.7079
Hunter-Lab	56.4551, -30.8520, 8.1870

Details

The Yxy color **31.8718, 0.2583, 0.3831** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5538, 0.4392, 0.2856**, and the grayscale version is **24.6542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7234, 0.2694, 0.3711**, and **13.4608, 0.2449, 0.4017** is the 20% darker color. If you saturate the color by 10%, you get **31.2045, 0.2539, 0.3940**, and if you desaturate by 10%, it is **32.7255, 0.2644, 0.3726**.

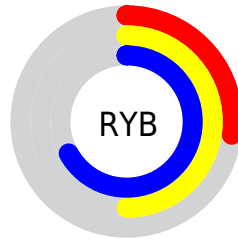
Distribution



Red (27%)

Green (67%)

Blue (55%)



Red (27%)

Yellow (50%)

Blue (67%)

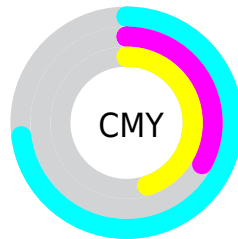


Cyan (60%)

Magenta (0%)

Yellow (18%)

Black (33%)



Cyan (73%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8718, 0.2583, 0.3831 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 31.8718, 0.2583, 0.3831 by changing the saturation by 10% instead.


 31.8718, 0.2583,
0.3831


 31.8718, 0.2583,
0.3831


310.5348, 0.2875,
0.3535


 21.2636, 0.2503,
0.3914


 62.6101, 0.2694,
0.3717


 13.3168, 0.2396,
0.4028


 83.5089, 0.2734,
0.3676

 7.6471, 0.2245,
0.4191


 108.6068, 0.2768,
0.3642

 3.8700, 0.2017,
0.4445

 138.2880, 0.2796,
0.3614

 1.6011, 0.1522,
0.4961

 172.9370, 0.2820,
0.3590

 0.3583, 0.0000,
1.0000

212.9383, 0.2841,

 0.0000, 0.0000,

0.3569

0.0000

258.6761, 0.2859,
0.3551

■ 31.8718, 0.2583,
0.3831

■ 31.8718, 0.2583,
0.3831

■ 31.2045, 0.2539,
0.3940

■ 32.7255, 0.2644,
0.3726

■ 30.7038, 0.2515,
0.4050

■ 33.7759, 0.2721,
0.3625

■ 30.3525, 0.2509,
0.4160

■ 35.0367, 0.2811,
0.3531

■ 30.1099, 0.2519,
0.4269

■ 36.5197, 0.2910,
0.3443

■ 38.2354, 0.3016,
0.3363

■ 40.1938, 0.3127,
0.3290

■ 42.4045, 0.3239,
0.3225

■ 44.8763, 0.3352,
0.3167

■ 47.6176, 0.3463,
0.3116

Harmonies

Analogous

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



31.8718, 0.3129, 0.4280



31.8718, 0.2583, 0.3831



31.8718, 0.2206, 0.3220

Triad

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



31.8718, 0.2583, 0.3831



31.8718, 0.2505, 0.2363



31.8718, 0.4317, 0.3696

Complementary

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



31.8718, 0.2583, 0.3831



13.5538, 0.4392, 0.2856

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.



31.8718, 0.4132, 0.3236



31.8718, 0.2583, 0.3831



31.8718, 0.3034, 0.2507

Square

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



31.8718, 0.2583, 0.3831



31.8718, 0.2169, 0.2423



31.8718, 0.3643, 0.2816



31.8718, 0.4146, 0.4114

Rectangle

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



31.8718, 0.2583, 0.3831



31.8718, 0.2084, 0.2859



31.8718, 0.3643, 0.2816



31.8718, 0.4296, 0.3543

Sweetspot

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



31.8731, 0.2583, 0.3831



66.7567, 0.2928, 0.3429



31.7970, 0.3265, 0.5061



14.7025, 0.2898, 0.3453



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.



31.8731, 0.2583, 0.3831



56.2823, 0.2529, 0.3976



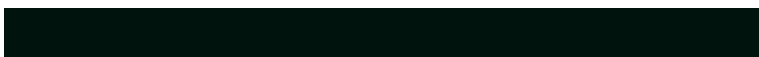
25.8124, 0.2321, 0.2926



8.4939, 0.3025, 0.3357



22.1568, 0.2516, 0.4257



0.5474, 0.2416, 0.3897

Inverse Universe

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



13.5538, 0.4392, 0.2856



20.0695, 0.4857, 0.2820



16.0004, 0.4743, 0.3590



7.5772, 0.3241, 0.3224



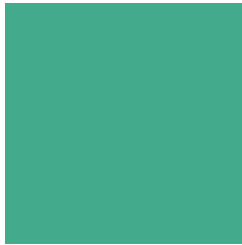
6.4644, 0.5741, 0.2936



0.1661, 0.4829, 0.2434

Previews

White Background



This preview shows how the Yxy color 31.8718, 0.2583, 0.3831 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 31.8718, 0.2583, 0.3831 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 31.8718, 0.2583, 0.3831

Background



This preview shows how black text looks on a background with the Yxy color 31.8718, 0.2583, 0.3831.



This preview shows how white text looks on a background with the Yxy color 31.8718, 0.2583, 0.3831.

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

31.8718, 0.2583, 0.3831

Protanopia

31.5687, 0.3413, 0.3613

Deuteranopia

31.3468, 0.3380, 0.3320



Tritanopia

31.9185, 0.2404, 0.3073

Trichromacy



Original Color

31.8718, 0.2583, 0.3831

Protanomaly

31.0295, 0.3042, 0.3708

Deuteranomaly

30.3314, 0.3011, 0.3487

Tritanomaly

31.8955, 0.2469, 0.3339

Monochromacy



Original Color

31.8718, 0.2583, 0.3831

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.3655, 0.2864, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8718, 0.2583, 0.3831 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(68, 170, 140)` looks like.

```
.text, #text, p{  
    color:rgb(68, 170, 140)  
}
```

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(68, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 170, 140) }
```

Border

The CSS property to change the border of an element to Yxy 31.8718, 0.2583, 0.3831 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(68, 170, 140) }
```

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

```
.border{ border-color:rgb(68, 170, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 170, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(68, 170,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8718, 0.2583, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 170, 140) }
```

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

```
.background{ background-color: rgb(68, 170,  
140) }
```

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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