

Converting Colors

$Yxy(31.3504, 0.2668, 0.3668)$

Have a look what the booklet for
Yxy(31.3504, 0.2668, 0.3668)
contains.

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Color

Yxy(31.4099, 0.2667, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	59A690
RGB	89, 166, 144
RGB Percent	35%, 65%, 56%
CMY	0.6511, 0.3490, 0.4353
CMYK	0.46, 0.00, 0.13, 0.35
HSL	163°, 30%, 50%
HSV	163°, 46%, 65%
XYZ	22.7884, 31.4099, 31.2476
YIQ	140.4690, -38.8300, -23.1660

Conversions

Conversions Part 2

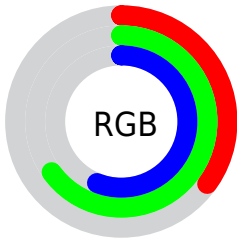
Format	Color
RYB	89, 134, 166
Decimal	5875344
CIELab	62.85, -29.26, 4.03
CIElCh	63, 29.537, 172.157
Yxy	31.4099, 0.2667, 0.3676
Android (android.graphics.Color)	4284065424 (0xFF59A690)
YUV	140.4690, 1.7408, -45.1383
Hunter-Lab	56.0445, -25.4976, 6.1741

Details

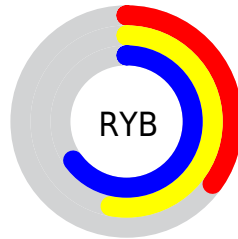
The Yxy color **31.4099, 0.2667, 0.3676** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.3961, 0.3987, 0.2949**, and the grayscale version is **26.4206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6298, 0.2757, 0.3587**, and **13.1661, 0.2511, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **30.5387, 0.2599, 0.3776**, and if you desaturate by 10%, it is **32.4749, 0.2750, 0.3581**.

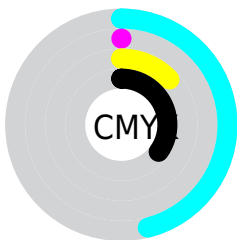
Distribution



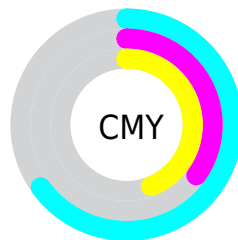
- Red (35%)
- Green (65%)
- Blue (56%)



- Red (35%)
- Yellow (53%)
- Blue (65%)



- Cyan (46%)
- Magenta (0%)
- Yellow (13%)
- Black (35%)





- Cyan (65%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4099, 0.2667, 0.3676 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 31.4099, 0.2667, 0.3676 by changing the saturation by 10% instead.


 31.4099, 0.2667,
0.3676


 31.4099, 0.2667,
0.3676


308.4223, 0.2913,
0.3467

 20.9112, 0.2600,
0.3734


 61.8848, 0.2761,
0.3596


 13.0591, 0.2510,
0.3814


 82.6299, 0.2795,
0.3567

 7.4692, 0.2383,
0.3927


 107.5591, 0.2823,
0.3543

 3.7573, 0.2191,
0.4102

 137.0569, 0.2846,
0.3523

 1.5387, 0.1835,
0.4425

171.5078, 0.2867,
0.3506

 0.3157, 0.0000,
0.8359

211.2960, 0.2884,

 0.0000, 0.0000,

0.3491

0.0000

256.8061, 0.2900,
0.3478

■ 31.4099, 0.2667,
0.3676

■ 31.4099, 0.2667,
0.3676

■ 30.5387, 0.2599,
0.3776

■ 32.4749, 0.2750,
0.3581

■ 29.8448, 0.2548,
0.3880

■ 33.7414, 0.2844,
0.3492

■ 29.3152, 0.2515,
0.3987


■ 35.2213, 0.2947,
0.3409

■ 28.9334, 0.2502,
0.4093


■ 36.9243, 0.3055,
0.3334


■ 28.6764, 0.2507,
0.4199

■ 38.8597, 0.3168,
0.3266

 28.5966, 0.2510,
0.4237

 41.0362, 0.3282,
0.3206

 43.4620, 0.3395,
0.3152

 46.1450, 0.3507,
0.3104

 49.0926, 0.3616,
0.3062

Harmonies

Analogous

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



31.4099, 0.3100, 0.4037



31.4099, 0.2667, 0.3676



31.4099, 0.2370, 0.3207

Triad

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



31.4099, 0.2667, 0.3676



31.4099, 0.2661, 0.2542



31.4099, 0.4069, 0.3663

Complementary

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



31.4099, 0.2667, 0.3676



16.3961, 0.3987, 0.2949

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.



31.4099, 0.3942, 0.3288



31.4099, 0.2667, 0.3676



31.4099, 0.3097, 0.2670

Square

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



31.4099, 0.2667, 0.3676



31.4099, 0.2369, 0.2583



31.4099, 0.3575, 0.2936



31.4099, 0.3922, 0.3983

Rectangle

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



31.4099, 0.2667, 0.3676



31.4099, 0.2278, 0.2927



31.4099, 0.3575, 0.2936



31.4099, 0.4058, 0.3540

Sweetspot

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



31.4112, 0.2667, 0.3676



64.5449, 0.2969, 0.3393



31.4460, 0.3258, 0.4629



14.3072, 0.2947, 0.3409



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.4112, 0.2667, 0.3676



55.3302, 0.2595, 0.3783



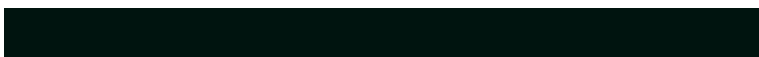
26.8811, 0.2473, 0.3021



8.4950, 0.3023, 0.3355



22.1818, 0.2508, 0.4228



0.5478, 0.2411, 0.3879

Inverse Universe

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



16.3961, 0.3987, 0.2949



24.5775, 0.4306, 0.2884



18.8066, 0.4232, 0.3534



7.5762, 0.3243, 0.3226



6.4555, 0.5770, 0.2952



0.1657, 0.4859, 0.2450

Previews

White Background



This preview shows how the Yxy color 31.4099, 0.2667, 0.3676 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 31.4099, 0.2667, 0.3676 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 31.4099, 0.2667, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 31.4099, 0.2667, 0.3676.



This preview shows how white text looks on a background with the Yxy color 31.4099, 0.2667, 0.3676.

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

31.4099, 0.2667, 0.3676

Protanopia

31.1799, 0.3344, 0.3522

Deuteranopia

30.9114, 0.3329, 0.3261



Tritanopia

31.5325, 0.2506, 0.3076

Trichromacy



Original Color

31.4099, 0.2667, 0.3676

Protanomaly

30.6276, 0.3056, 0.3569

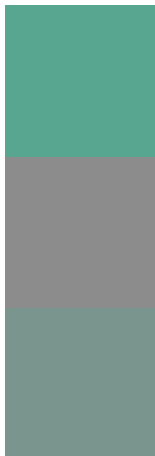
Deuteranomaly

30.3780, 0.3044, 0.3386

Tritanomaly

31.3076, 0.2562, 0.3272

Monochromacy



Original Color

31.4099, 0.2667, 0.3676

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.4829, 0.2923, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4099, 0.2667, 0.3676 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(89, 166, 144)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 144)  
}
```

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(89, 166, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 144) }
```

Border

The CSS property to change the border of an element to Yxy 31.4099, 0.2667, 0.3676 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(89, 166, 144) }
```

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

```
.border{ border-color:rgb(89, 166, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 166, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 144);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
144) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.4099, 0.2667, 0.3676$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 144) }
```

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

```
.background{ background-color: rgb(89, 166,  
144) }
```

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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