

Converting Colors

Yxy(31.9864, 0.2459, 0.3607)

Have a look what the booklet for
Yxy(31.9864, 0.2459, 0.3607)
contains.

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Color

Yxy(31.8863, 0.2460, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	39AA98
RGB	57, 170, 152
RGB Percent	22%, 67%, 60%
CMY	0.7765, 0.3333, 0.4039
CMYK	0.66, 0.00, 0.11, 0.33
HSL	170°, 50%, 45%
HSV	170°, 66%, 67%
XYZ	21.7286, 31.8863, 34.7128
YIQ	134.1610, -61.5700, -29.5540

Conversions

Conversions Part 2

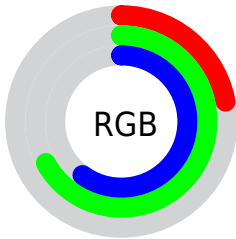
Format	Color
RYB	57, 118, 170
Decimal	3779224
CIELab	63.25, -35.86, 0.01
CIElCh	63, 35.862, 179.987
Yxy	31.8863, 0.2460, 0.3610
Android (android.graphics.Color)	4281969304 (0xFF39AA98)
YUV	134.1610, 8.7946, -67.6702
Hunter-Lab	56.4680, -30.1329, 3.0800

Details

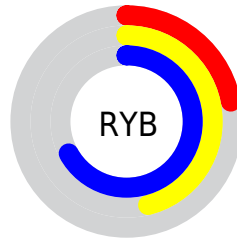
The Yxy color **31.8863, 0.2460, 0.3610** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.9799, 0.4921, 0.3053**, and the grayscale version is **23.8860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7005, 0.2594, 0.3551**, and **13.6622, 0.2363, 0.3706** is the 20% darker color. If you saturate the color by 10%, you get **31.3811, 0.2418, 0.3666**, and if you desaturate by 10%, it is **32.5632, 0.2521, 0.3555**.

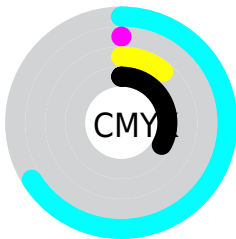
Distribution



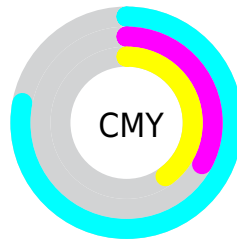
- Red (22%)
- Green (67%)
- Blue (60%)



- Red (22%)
- Yellow (46%)
- Blue (67%)



- Cyan (66%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)




- Cyan (78%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8863, 0.2460, 0.3610 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 31.8863, 0.2460, 0.3610 by changing the saturation by 10% instead.


 31.8863, 0.2460,
0.3610


 31.8863, 0.2460,
0.3610

310.6010, 0.2812,
0.3441


 21.2747, 0.2366,
0.3655


 62.6328, 0.2592,
0.3547

 13.3249, 0.2242,
0.3714


 83.5365, 0.2641,
0.3523


 7.6527, 0.2071,
0.3796


 108.6396, 0.2681,
0.3504

 3.8735, 0.1821,
0.3916

 138.3266, 0.2715,
0.3488

 1.6031, 0.1341,
0.4146

 172.9818, 0.2744,
0.3474

 0.3597, 0.0000,
0.4791

212.9897, 0.2770,

 0.0000, 0.0000,

0.3461

0.0000

258.7346, 0.2792,
0.3451

■ 31.8863, 0.2460,
0.3610

■ 31.8863, 0.2460,
0.3610

■ 31.3811, 0.2418,
0.3666

■ 32.5632, 0.2521,
0.3555

■ 31.0265, 0.2395,
0.3722

■ 33.4233, 0.2599,
0.3501

■ 30.7993, 0.2389,
0.3778

■ 34.4811, 0.2693,
0.3450

■ 30.7316, 0.2388,
0.3798

■ 35.7488, 0.2800,
0.3402

■ 37.2376, 0.2918,
0.3356

■ 38.9579, 0.3043,
0.3315

■ 40.9192, 0.3174,
0.3277

■ 43.1309, 0.3307,
0.3243

■ 45.6016, 0.3440,
0.3213

Harmonies

Analogous

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



31.8863, 0.2941, 0.4119



31.8863, 0.2460, 0.3610



31.8863, 0.2170, 0.3039

Triad

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



31.8863, 0.2460, 0.3610



31.8863, 0.2689, 0.2427



31.8863, 0.4245, 0.3831

Complementary

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



31.8863, 0.2460, 0.3610



11.9799, 0.4921, 0.3053

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.



31.8863, 0.4186, 0.3392



31.8863, 0.2460, 0.3610



31.8863, 0.3238, 0.2624

Square

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



31.8863, 0.2460, 0.3610



31.8863, 0.2295, 0.2415



31.8863, 0.3804, 0.2966



31.8863, 0.3982, 0.4189

Rectangle

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



31.8863, 0.2460, 0.3610



31.8863, 0.2107, 0.2734



31.8863, 0.3804, 0.2966



31.8863, 0.4264, 0.3688

Sweetspot

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



31.8875, 0.2460, 0.3610



66.4615, 0.2871, 0.3374



30.5758, 0.3146, 0.5320



14.6574, 0.2839, 0.3386



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.



31.8875, 0.2460, 0.3610



56.5823, 0.2404, 0.3694



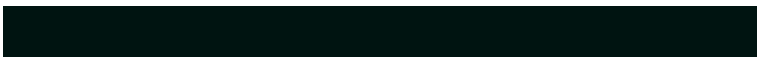
20.3651, 0.2192, 0.2589



8.5112, 0.3007, 0.3326



22.6121, 0.2387, 0.3792



0.5555, 0.2335, 0.3607

Inverse Universe

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



11.9799, 0.4921, 0.3053



17.8114, 0.5551, 0.3072



16.9656, 0.4819, 0.3824



7.5611, 0.3262, 0.3254



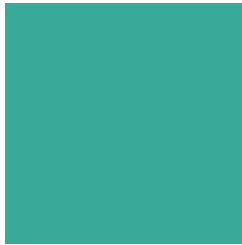
6.3507, 0.6140, 0.3156



0.1601, 0.5402, 0.2749

Previews

White Background



This preview shows how the Yxy color 31.8863, 0.2460, 0.3610 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 31.8863, 0.2460, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

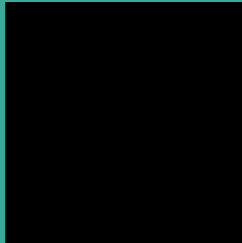
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8863, 0.2460, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 31.8863, 0.2460, 0.3610.

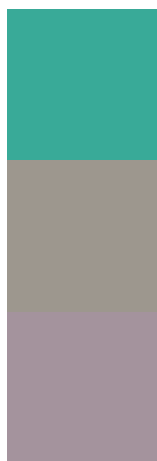


This preview shows how white text looks on a background with the Yxy color 31.8863, 0.2460, 0.3610.

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

31.8863, 0.2460, 0.3610

Protanopia

31.2543, 0.3275, 0.3429

Deuteranopia

31.1943, 0.3206, 0.3143



Tritanopia

31.8292, 0.2345, 0.3071

Trichromacy



Original Color

31.8863, 0.2460, 0.3610

Protanomaly

30.5940, 0.2886, 0.3490

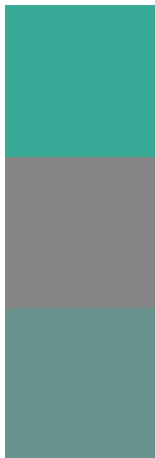
Deuteranomaly

30.1692, 0.2845, 0.3289

Tritanomaly

31.6258, 0.2383, 0.3253

Monochromacy



Original Color

31.8863, 0.2460, 0.3610

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.8547, 0.2783, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8863, 0.2460, 0.3610 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(57, 170, 152)` looks like.

```
.text, #text, p{  
    color:rgb(57, 170, 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(57, 170, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 170, 152) }
```

Border

The CSS property to change the border of an element to Yxy 31.8863, 0.2460, 0.3610 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(57, 170, 152) }
```

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

```
.border{ border-color:rgb(57, 170, 152) }
```

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

Here you see how a box with a 4 pixel rgb(57, 170, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 170, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 170, 152);  
box-shadow:4px 4px 4px 4px rgb(57, 170,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8863, 0.2460, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 170, 152) }
```

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

```
.background{ background-color: rgb(57, 170,  
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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