

Converting Colors

$Y_{xy}(31.1168, 0.2470, 0.4092)$

Have a look what the booklet for
Yxy(31.1168, 0.2470, 0.4092)
contains.

Yxy(31.1168, 0.2470, 0.4092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.1168, 0.2470, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	00AC82
RGB	0, 172, 130
RGB Percent	0%, 67%, 51%
CMY	1.0000, 0.3255, 0.4901
CMYK	1.00, 0.00, 0.24, 0.33
HSL	165°, 100%, 34%
HSV	165°, 100%, 67%
XYZ	18.7826, 31.1168, 26.1436
YIQ	115.7840, -89.0300, -49.5260

Conversions

Conversions Part 2

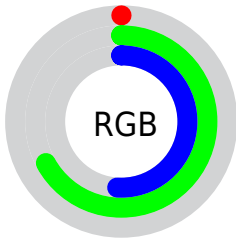
Format	Color
RYB	0, 98, 172
Decimal	44162
CIELab	62.61, -47.59, 11.22
CIELCh	63, 48.890, 166.733
Yxy	31.1168, 0.2470, 0.4092
Android (android.graphics.Color)	4278234242 (0xFF00AC82)
YUV	115.7840, 7.0085, -101.5426
Hunter-Lab	55.7824, -37.5161, 11.2602

Details

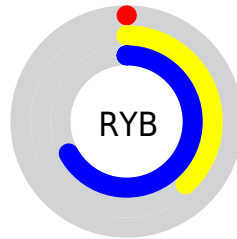
The Yxy color **31.1168, 0.2470, 0.4092** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.9379, 0.5936, 0.3044**, and the grayscale version is **17.3952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2329, 0.2607, 0.3912**, and **13.5509, 0.2529, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **31.1182, 0.2470, 0.4092**, and if you desaturate by 10%, it is **31.3543, 0.2465, 0.4003**.

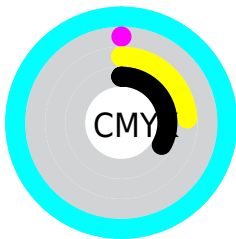
Distribution



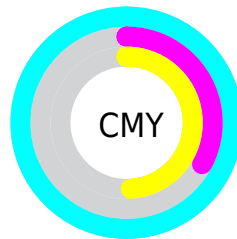
- Red (0%)
- Green (67%)
- Blue (51%)



- Red (0%)
- Yellow (38%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1168, 0.2470, 0.4092 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 31.1168, 0.2470, 0.4092 by changing the saturation by 10% instead.

 31.1168, 0.2470,
0.4092


 31.1168, 0.2470,
0.4092


307.0761, 0.2828,
0.3645

 20.6878, 0.2370,
0.4221


 61.4239, 0.2607,
0.3917

 12.8960, 0.2236,
0.4399

 82.0708, 0.2657,
0.3856

 7.3570, 0.2044,
0.4659


 106.8925, 0.2698,
0.3805

 3.6863, 0.1755,
0.5071

 136.2733, 0.2732,
0.3762

 1.4997, 0.0687,
0.6250

 170.5977, 0.2761,
0.3726

 0.2885, 0.0000,
1.0000

 210.2500, 0.2786,

 0.0000, 0.0000,

0.3696

0.0000

255.6147, 0.2808,
0.3669

■ 31.1168, 0.2470,
0.4092

■ 31.1168, 0.2470,
0.4092

■ 31.1182, 0.2470,
0.4092

■ 31.3543, 0.2465,
0.4003

■ 31.6999, 0.2474,
0.3913

■ 32.1970, 0.2503,
0.3823

■ 32.8646, 0.2551,
0.3735

■ 33.7191, 0.2616,
0.3649

■ 34.7750, 0.2698,
0.3566

■ 36.0451, 0.2792,
0.3489

■ 37.5413, 0.2897,
0.3417

■ 39.2747, 0.3010,
0.3350

Harmonies

Analogous

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



31.1168, 0.3175, 0.4661



31.1168, 0.2470, 0.4092



31.1168, 0.1980, 0.3254

Triad

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



31.1168, 0.2470, 0.4092



31.1168, 0.2272, 0.2116



31.1168, 0.4675, 0.3707

Complementary

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



31.1168, 0.2470, 0.4092



8.9379, 0.5936, 0.3044

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.



31.1168, 0.4400, 0.3140



31.1168, 0.2470, 0.4092



31.1168, 0.2918, 0.2275

Square

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



31.1168, 0.2470, 0.4092



31.1168, 0.1890, 0.2200



31.1168, 0.3718, 0.2637



31.1168, 0.4468, 0.4263

Rectangle

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



31.1168, 0.2470, 0.4092



31.1168, 0.1819, 0.2767



31.1168, 0.3718, 0.2637



31.1168, 0.4639, 0.3515

Sweetspot

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



31.1182, 0.2470, 0.4092



65.2553, 0.2787, 0.3493



30.0194, 0.3104, 0.5917



13.9690, 0.2747, 0.3524



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.



31.1182, 0.2470, 0.4092



56.4151, 0.2474, 0.4107



18.6796, 0.2018, 0.2464



9.0382, 0.3018, 0.3346



23.1654, 0.2467, 0.4083



0.6524, 0.2393, 0.3813

Inverse Universe

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



8.9379, 0.5936, 0.3044



16.1849, 0.5977, 0.3067



10.4987, 0.6068, 0.3564



8.0462, 0.3249, 0.3235



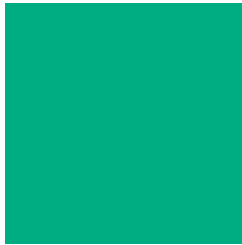
6.6586, 0.5911, 0.3030



0.1938, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 31.1168, 0.2470, 0.4092 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 31.1168, 0.2470, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

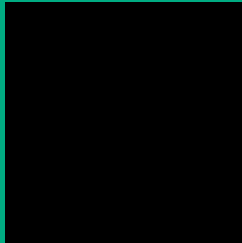
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1168, 0.2470, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 31.1168, 0.2470, 0.4092.

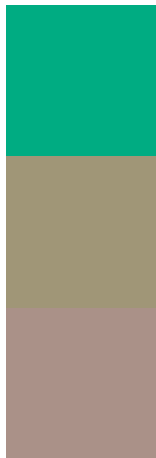


This preview shows how white text looks on a background with the Yxy color 31.1168, 0.2470, 0.4092.

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

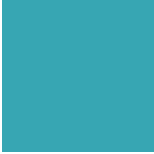
31.1168, 0.2470, 0.4092

Protanopia

30.6182, 0.3539, 0.3771

Deuteranopia

30.5744, 0.3489, 0.3425



Tritanopia

31.3393, 0.2286, 0.3068

Trichromacy



Original Color

31.1168, 0.2470, 0.4092



Protanomaly

28.7086, 0.2909, 0.3925



Deuteranomaly

28.3521, 0.2869, 0.3662



Tritanomaly

30.9358, 0.2331, 0.3413

Monochromacy



Original Color

31.1168, 0.2470, 0.4092



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.4446, 0.2656, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1168, 0.2470, 0.4092 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(0, 172, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 130)  
}
```

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(0, 172, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 130) }
```

Border

The CSS property to change the border of an element to Yxy 31.1168, 0.2470, 0.4092 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(0, 172, 130) }
```

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

```
.border{ border-color:rgb(0, 172, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1168, 0.2470, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 130) }
```

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

```
.background{ background-color: rgb(0, 172,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor