

Converting Colors

$Yxy(30.7172, 0.2457, 0.4046)$

Have a look what the booklet for
Yxy(30.7172, 0.2457, 0.4046)
contains.

Yxy(30.7645, 0.2460, 0.4056)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7645, 0.2460, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	00AB83
RGB	0, 171, 131
RGB Percent	0%, 67%, 51%
CMY	1.0000, 0.3294, 0.4863
CMYK	1.00, 0.00, 0.23, 0.33
HSL	166°, 100%, 34%
HSV	166°, 100%, 67%
XYZ	18.6589, 30.7645, 26.4259
YIQ	115.3110, -89.0760, -48.6920

Conversions

Conversions Part 2

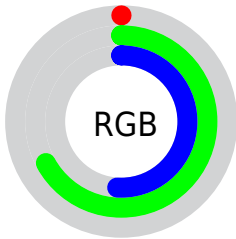
Format	Color
RYB	0, 97, 171
Decimal	43907
CIELab	62.31, -46.94, 10.26
CIELCh	62, 48.050, 167.670
Yxy	30.7645, 0.2460, 0.4056
Android (android.graphics.Color)	4278233987 (0xFF00AB83)
YUV	115.3110, 7.7347, -101.1277
Hunter-Lab	55.4658, -37.0168, 10.5781

Details

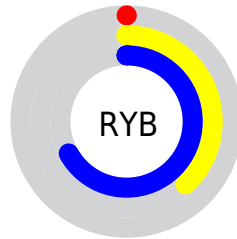
The Yxy color **30.7645, 0.2460, 0.4056** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8116, 0.5966, 0.3060**, and the grayscale version is **17.2406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7260, 0.2600, 0.3886**, and **13.3318, 0.2514, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **30.7659, 0.2460, 0.4056**, and if you desaturate by 10%, it is **30.9966, 0.2456, 0.3971**.

Distribution



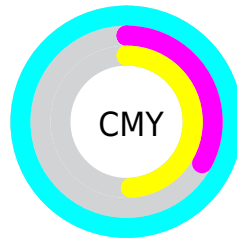
- Red (0%)
- Green (67%)
- Blue (51%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)



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


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7645, 0.2460, 0.4056 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 30.7645, 0.2460, 0.4056 by changing the saturation by 10% instead.

 30.7645, 0.2460,
0.4056


 30.7645, 0.2460,
0.4056


 305.4519, 0.2823,
0.3630


 20.4196, 0.2359,
0.4179


 60.8691, 0.2599,
0.3889

 12.7004, 0.2223,
0.4349

 81.3976, 0.2649,
0.3830

 7.2226, 0.2030,
0.4596


 106.0894, 0.2691,
0.3782

 3.6017, 0.1738,
0.4989

 135.3289, 0.2725,
0.3742

 1.4533, 0.0630,
0.6135

 169.5005, 0.2755,
0.3707

 0.2555, 0.0000,
1.0000

 208.9886, 0.2781,

 0.0000, 0.0000,

0.3678

0.0000

254.1776, 0.2803,
0.3652

■ 30.7645, 0.2460,
0.4056

■ 30.7645, 0.2460,
0.4056

■ 30.7659, 0.2460,
0.4056

■ 30.9966, 0.2456,
0.3971

■ 31.3348, 0.2466,
0.3885

■ 31.8221, 0.2496,
0.3800

■ 32.4773, 0.2544,
0.3715

■ 33.3165, 0.2611,
0.3633

■ 34.3540, 0.2693,
0.3554

■ 35.6024, 0.2789,
0.3480

■ 37.0735, 0.2895,
0.3411

■ 38.7780, 0.3008,
0.3348

Harmonies

Analogous

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



30.7645, 0.3153, 0.4631



30.7645, 0.2460, 0.4056



30.7645, 0.1983, 0.3231

Triad

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



30.7645, 0.2460, 0.4056



30.7645, 0.2299, 0.2131



30.7645, 0.4656, 0.3722

Complementary

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



30.7645, 0.2460, 0.4056



8.8116, 0.5966, 0.3060

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.



30.7645, 0.4399, 0.3160



30.7645, 0.2460, 0.4056



30.7645, 0.2945, 0.2295

Square

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



30.7645, 0.2460, 0.4056



30.7645, 0.1912, 0.2207



30.7645, 0.3735, 0.2659



30.7645, 0.4440, 0.4270

Rectangle

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



30.7645, 0.2460, 0.4056



30.7645, 0.1830, 0.2756



30.7645, 0.3735, 0.2659



30.7645, 0.4625, 0.3532

Sweetspot

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



30.7659, 0.2460, 0.4056



63.6305, 0.2783, 0.3484



29.6355, 0.3105, 0.5917



13.9771, 0.2743, 0.3514



86.8899, 0.3127, 0.3290



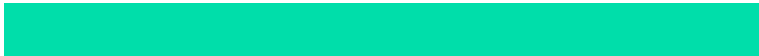
16.2647, 0.3127, 0.3290

Same Dimension

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



30.7659, 0.2460, 0.4056



55.0632, 0.2464, 0.4071



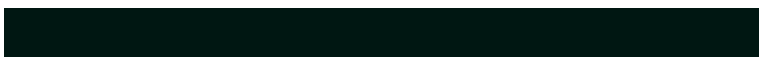
18.4448, 0.2018, 0.2464



9.0395, 0.3016, 0.3344



23.2002, 0.2458, 0.4048



0.6531, 0.2386, 0.3790

Inverse Universe

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



8.8116, 0.5966, 0.3060



15.7530, 0.6006, 0.3082



10.3681, 0.6068, 0.3564



8.0449, 0.3251, 0.3237



6.6493, 0.5942, 0.3047



0.1933, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 30.7645, 0.2460, 0.4056 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 30.7645, 0.2460, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

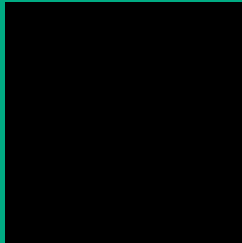
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7645, 0.2460, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 30.7645, 0.2460, 0.4056.



This preview shows how white text looks on a background with the Yxy color 30.7645, 0.2460, 0.4056.

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

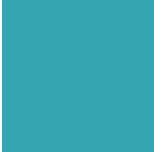
30.7645, 0.2460, 0.4056

Protanopia

30.2219, 0.3521, 0.3742

Deuteranopia

30.1877, 0.3470, 0.3395



Tritanopia

30.9089, 0.2283, 0.3067

Trichromacy



Original Color

30.7645, 0.2460, 0.4056



Protanomaly

28.3359, 0.2892, 0.3891



Deuteranomaly

28.0486, 0.2860, 0.3627



Tritanomaly

30.5507, 0.2324, 0.3395

Monochromacy



Original Color

30.7645, 0.2460, 0.4056



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

20.1249, 0.2646, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7645, 0.2460, 0.4056 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, 171, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 131)  
}
```

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, 171, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 131) }
```

Border

The CSS property to change the border of an element to Yxy 30.7645, 0.2460, 0.4056 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, 171, 131) }
```

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

```
.border{ border-color:rgb(0, 171, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7645, 0.2460, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 131) }
```

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

```
.background{ background-color: rgb(0, 171,  
131) }
```

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