

Converting Colors

$Y_{xy}(30.3831, 0.2487, 0.4152)$

Have a look what the booklet for
Yxy(30.3831, 0.2487, 0.4152)
contains.

Yxy(30.2558, 0.2484, 0.4144)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2558, 0.2484, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	00AA7E
RGB	0, 170, 126
RGB Percent	0%, 67%, 49%
CMY	1.0000, 0.3333, 0.5059
CMYK	1.00, 0.00, 0.26, 0.33
HSL	164°, 100%, 33%
HSV	164°, 100%, 67%
XYZ	18.1360, 30.2558, 24.6193
YIQ	114.1540, -87.1960, -49.7240

Conversions

Conversions Part 2

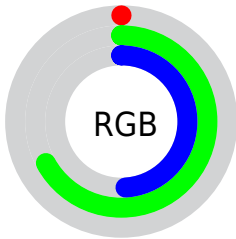
Format	Color
RYB	0, 98, 170
Decimal	43646
CIELab	61.87, -47.81, 12.42
CIELCh	62, 49.400, 165.435
Yxy	30.2558, 0.2484, 0.4144
Android (android.graphics.Color)	4278233726 (0xFF00AA7E)
YUV	114.1540, 5.8401, -100.1131
Hunter-Lab	55.0053, -37.4054, 11.9666

Details

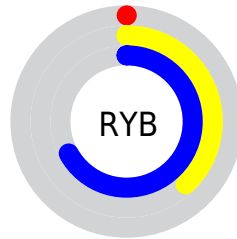
The Yxy color **30.2558, 0.2484, 0.4144** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.7293, 0.5887, 0.3017**, and the grayscale version is **16.8792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9227, 0.2619, 0.3948**, and **13.2584, 0.2556, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **30.2598, 0.2484, 0.4144**, and if you desaturate by 10%, it is **30.4951, 0.2478, 0.4049**.

Distribution



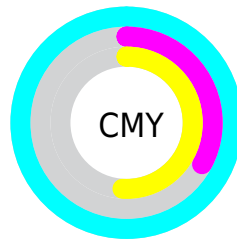
- Red (0%)
- Green (67%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2558, 0.2484, 0.4144 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 30.2558, 0.2484, 0.4144 by changing the saturation by 10% instead.


 30.2558, 0.2484,
0.4144


 30.2558, 0.2484,
0.4144


 303.0950, 0.2837,
0.3665


 20.0328, 0.2384,
0.4284


 60.0665, 0.2621,
0.3955


 12.4189, 0.2248,
0.4479

 80.4230, 0.2669,
0.3889

 7.0296, 0.2054,
0.4765


 104.9261, 0.2710,
0.3835

 3.4806, 0.1756,
0.5224

 133.9602, 0.2743,
0.3789

 1.3875, 0.0405,
0.6826

 167.9098, 0.2772,
0.3751

 0.2075, 0.0000,
1.0000

 207.1592, 0.2797,

 0.0000, 0.0000,

0.3718

0.0000

252.0928, 0.2818,
0.3690

■ 30.2558, 0.2484,
0.4144

■ 30.2558, 0.2484,
0.4144

■ 30.2598, 0.2484,
0.4144

■ 30.4951, 0.2478,
0.4049

■ 30.8372, 0.2486,
0.3953

■ 31.3274, 0.2514,
0.3857

■ 31.9841, 0.2561,
0.3763

■ 32.8233, 0.2625,
0.3671

■ 33.8590, 0.2705,
0.3584

■ 35.1038, 0.2798,
0.3501

■ 36.5691, 0.2901,
0.3424

■ 38.2657, 0.3012,
0.3354

Harmonies

Analogous

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



30.2558, 0.3206, 0.4703



30.2558, 0.2484, 0.4144



30.2558, 0.1975, 0.3288

Triad

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



30.2558, 0.2484, 0.4144



30.2558, 0.2234, 0.2095



30.2558, 0.4703, 0.3685

Complementary

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



30.2558, 0.2484, 0.4144



8.7293, 0.5887, 0.3017

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.



30.2558, 0.4402, 0.3111



30.2558, 0.2484, 0.4144



30.2558, 0.2880, 0.2247

Square

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



30.2558, 0.2484, 0.4144



30.2558, 0.1860, 0.2191



30.2558, 0.3693, 0.2606



30.2558, 0.4509, 0.4254

Rectangle

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



30.2558, 0.2484, 0.4144



30.2558, 0.1803, 0.2783



30.2558, 0.3693, 0.2606



30.2558, 0.4660, 0.3490

Sweetspot

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



30.2598, 0.2484, 0.4144



63.5500, 0.2793, 0.3505



29.3192, 0.3117, 0.5907



13.9571, 0.2753, 0.3539



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.



30.2598, 0.2484, 0.4144



54.8580, 0.2489, 0.4161



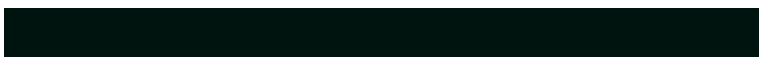
18.9591, 0.2034, 0.2523



8.4984, 0.3020, 0.3349



22.2657, 0.2482, 0.4134



0.5494, 0.2395, 0.3820

Inverse Universe

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



8.7293, 0.5887, 0.3017



15.8058, 0.5930, 0.3040



10.0427, 0.6102, 0.3537



7.5730, 0.3247, 0.3232



6.4284, 0.5860, 0.3002



0.1645, 0.4961, 0.2506

Previews

White Background



This preview shows how the Yxy color 30.2558, 0.2484, 0.4144 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 30.2558, 0.2484, 0.4144 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 30.2558, 0.2484, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 30.2558, 0.2484, 0.4144.



This preview shows how white text looks on a background with the Yxy color 30.2558, 0.2484, 0.4144.

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

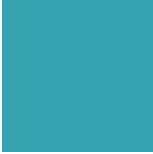
30.2558, 0.2484, 0.4144

Protanopia

29.7099, 0.3554, 0.3792

Deuteranopia

29.7459, 0.3526, 0.3456



Tritanopia

30.1809, 0.2283, 0.3048

Trichromacy



Original Color

30.2558, 0.2484, 0.4144



Protanomaly

27.8997, 0.2924, 0.3951



Deuteranomaly

27.5823, 0.2900, 0.3703



Tritanomaly

30.0984, 0.2338, 0.3433

Monochromacy



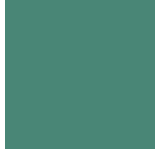
Original Color

30.2558, 0.2484, 0.4144



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.7747, 0.2668, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2558, 0.2484, 0.4144 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, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 126)  
}
```

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, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 126) }
```

Border

The CSS property to change the border of an element to Yxy 30.2558, 0.2484, 0.4144 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, 170, 126) }
```

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

```
.border{ border-color:rgb(0, 170, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2558, 0.2484, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 126) }
```

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

```
.background{ background-color: rgb(0, 170,  
126) }
```

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