

Converting Colors

$Y_{xy}(30.4599, 0.2413, 0.3474)$

Have a look what the booklet for
Yxy(30.4599, 0.2413, 0.3474)
contains.

Yxy(30.4850, 0.2413, 0.3468)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4850, 0.2413, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	37A69C
RGB	55, 166, 156
RGB Percent	22%, 65%, 61%
CMY	0.7843, 0.3490, 0.3883
CMYK	0.67, 0.00, 0.06, 0.35
HSL	175°, 50%, 43%
HSV	175°, 67%, 65%
XYZ	21.2112, 30.4850, 36.2075
YIQ	131.6710, -62.9460, -26.6420

Conversions

Conversions Part 2

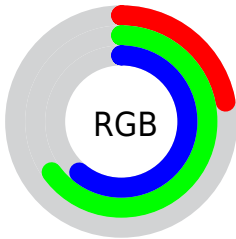
Format	Color
RYB	55, 113, 166
Decimal	3647132
CIELab	62.07, -33.23, -3.96
CIELCh	62, 33.464, 186.792
Yxy	30.4850, 0.2413, 0.3468
Android (android.graphics.Color)	4281837212 (0xFF37A69C)
YUV	131.6710, 11.9942, -67.2405
Hunter-Lab	55.2132, -28.0491, -0.2317

Details

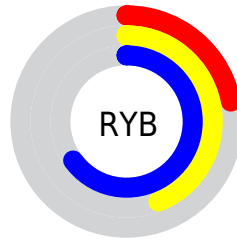
The Yxy color **30.4850, 0.2413, 0.3468** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.2233, 0.5085, 0.3162**, and the grayscale version is **22.9242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6087, 0.2556, 0.3446**, and **12.8302, 0.2305, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **30.0430, 0.2367, 0.3498**, and if you desaturate by 10%, it is **31.0876, 0.2478, 0.3438**.

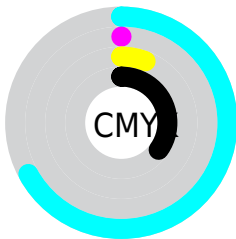
Distribution



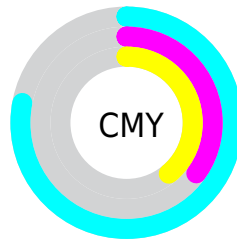
- Red (22%)
- Green (65%)
- Blue (61%)



- Red (22%)
- Yellow (44%)
- Blue (65%)



- Cyan (67%)
- Magenta (0%)
- Yellow (6%)
- Black (35%)





- Cyan (78%)
- Magenta (35%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4850, 0.2413, 0.3468 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 30.4850, 0.2413, 0.3468 by changing the saturation by 10% instead.

 30.4850, 0.2413,
0.3468


 30.4850, 0.2413,
0.3468


304.1587, 0.2789,
0.3379

 20.2070, 0.2313,
0.3490


 60.4283, 0.2554,
0.3436


 12.5456, 0.2181,
0.3517


 80.8625, 0.2606,
0.3424


 7.1164, 0.1999,
0.3552


 105.4508, 0.2649,
0.3413

 3.5350, 0.1734,
0.3597

 134.5776, 0.2686,
0.3404

 1.4170, 0.1198,
0.3701

 168.6275, 0.2717,
0.3397

 0.2292, 0.0000,
0.3034

207.9847, 0.2745,

 0.0000, 0.0000,

0.3390

0.0000

253.0336, 0.2768,
0.3384

■ 30.4850, 0.2413,
0.3468

■ 30.4850, 0.2413,
0.3468

■ 30.0430, 0.2367,
0.3498

■ 31.0876, 0.2478,
0.3438

■ 29.7416, 0.2339,
0.3529

■ 31.8616, 0.2561,
0.3408

■ 29.5576, 0.2327,
0.3559

■ 32.8209, 0.2660,
0.3380

■ 29.5086, 0.2325,
0.3568

■ 33.9769, 0.2773,
0.3353

■ 35.3401, 0.2898,
0.3328

■ 36.9205, 0.3032,
0.3305

■ 38.7270, 0.3172,
0.3284

■ 40.7685, 0.3315,
0.3264

■ 43.0530, 0.3459,
0.3247

Harmonies

Analogous

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



30.4850, 0.2838, 0.3981



30.4850, 0.2413, 0.3468



30.4850, 0.2184, 0.2948

Triad

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



30.4850, 0.2413, 0.3468



30.4850, 0.2821, 0.2495



30.4850, 0.4156, 0.3896

Complementary

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



30.4850, 0.2413, 0.3468



11.2233, 0.5085, 0.3162

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.



30.4850, 0.4171, 0.3487



30.4850, 0.2413, 0.3468



30.4850, 0.3361, 0.2720

Square

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



30.4850, 0.2413, 0.3468



30.4850, 0.2404, 0.2442



30.4850, 0.3872, 0.3071



30.4850, 0.3850, 0.4197

Rectangle

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



30.4850, 0.2413, 0.3468



30.4850, 0.2158, 0.2686



30.4850, 0.3872, 0.3071



30.4850, 0.4197, 0.3766

Sweetspot

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



30.4862, 0.2413, 0.3468



63.2225, 0.2853, 0.3337



28.7122, 0.3095, 0.5359



13.9980, 0.2819, 0.3344



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.



30.4862, 0.2413, 0.3468



54.2390, 0.2352, 0.3513



17.3890, 0.2153, 0.2436



8.5202, 0.2999, 0.3310



22.8847, 0.2324, 0.3566



0.5601, 0.2296, 0.3465

Inverse Universe

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



11.2233, 0.5085, 0.3162



16.7827, 0.5724, 0.3180



17.3850, 0.4735, 0.3936



7.5529, 0.3272, 0.3270



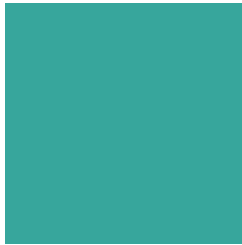
6.3166, 0.6275, 0.3231



0.1570, 0.5779, 0.2957

Previews

White Background



This preview shows how the Yxy color 30.4850, 0.2413, 0.3468 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 30.4850, 0.2413, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

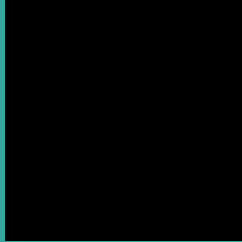
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4850, 0.2413, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 30.4850, 0.2413, 0.3468.

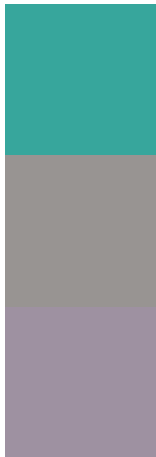


This preview shows how white text looks on a background with the Yxy color 30.4850, 0.2413, 0.3468.

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

30.4850, 0.2413, 0.3468

Protanopia

29.9305, 0.3188, 0.3321

Deuteranopia

30.0931, 0.3107, 0.3050



Tritanopia

30.4528, 0.2328, 0.3067

Trichromacy



Original Color

30.4850, 0.2413, 0.3468

Protanomaly

29.4266, 0.2816, 0.3374

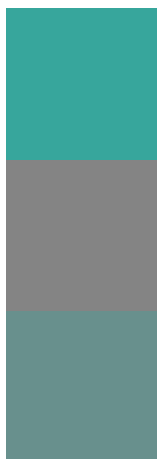
Deuteranomaly

29.3506, 0.2775, 0.3190

Tritanomaly

30.4076, 0.2354, 0.3201

Monochromacy



Original Color

30.4850, 0.2413, 0.3468

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.8127, 0.2761, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4850, 0.2413, 0.3468 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(55, 166, 156)` looks like.

```
.text, #text, p{  
    color:rgb(55, 166, 156)  
}
```

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(55, 166, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 166, 156) }
```

Border

The CSS property to change the border of an element to Yxy 30.4850, 0.2413, 0.3468 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(55, 166, 156) }
```

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

```
.border{ border-color:rgb(55, 166, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 166, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 166, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 166, 156);  
box-shadow:4px 4px 4px 4px rgb(55, 166,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4850, 0.2413, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 166, 156) }
```

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

```
.background{ background-color: rgb(55, 166,  
156) }
```

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