

Converting Colors

$Y_{xy}(30.8789, 0.2425, 0.3928)$

Have a look what the booklet for
Yxy(30.8789, 0.2425, 0.3928)
contains.

Yxy(30.9384, 0.2427, 0.3933)	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(30.9384, 0.2427, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	01AB89
RGB	1, 171, 137
RGB Percent	0%, 67%, 54%
CMY	0.9957, 0.3294, 0.4627
CMYK	0.99, 0.00, 0.20, 0.33
HSL	168°, 99%, 34%
HSV	168°, 99%, 67%
XYZ	19.0917, 30.9384, 28.6336
YIQ	116.2940, -90.4060, -46.6140

Conversions

Conversions Part 2

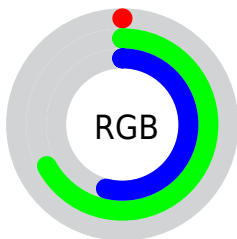
Format	Color
RYB	1, 95, 171
Decimal	109449
CIELab	62.46, -45.35, 7.13
CIELCh	62, 45.905, 171.061
Yxy	30.9384, 0.2427, 0.3933
Android (android.graphics.Color)	4278299529 (0xFF01AB89)
YUV	116.2940, 10.2081, -101.1128
Hunter-Lab	55.6223, -36.0711, 8.4140

Details

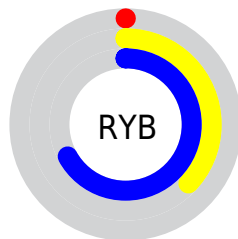
The Yxy color **30.9384, 0.2427, 0.3933** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.8037, 0.6044, 0.3110**, and the grayscale version is **17.5583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9830, 0.2571, 0.3798**, and **13.6450, 0.2480, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **30.9263, 0.2427, 0.3938**, and if you desaturate by 10%, it is **31.1628, 0.2426, 0.3861**.

Distribution



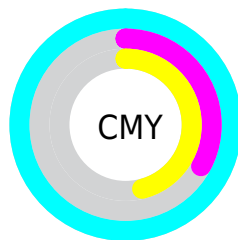
- Red (0%)
- Green (67%)
- Blue (54%)



- Red (0%)
- Yellow (37%)
- Blue (67%)



- Cyan (99%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9384, 0.2427, 0.3933 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 30.9384, 0.2427, 0.3933 by changing the saturation by 10% instead.


 30.9384, 0.2427,
0.3933


 30.9384, 0.2427,
0.3933


306.2544, 0.2804,
0.3579

 20.5519, 0.2324,
0.4033


 61.1431, 0.2570,
0.3796


 12.7969, 0.2186,
0.4171


 81.7301, 0.2622,
0.3747

 7.2888, 0.1992,
0.4368


 106.4861, 0.2665,
0.3707


 3.6434, 0.1704,
0.4677

 135.7954, 0.2702,
0.3673

 1.4761, 0.0759,
0.5502

 170.0425, 0.2733,
0.3644

 0.2718, 0.0000,
1.0000

 209.6118, 0.2760,

 0.0000, 0.0000,

0.3620

0.0000

254.8877, 0.2783,
0.3598

■ 30.9384, 0.2427,
0.3933

■ 30.9384, 0.2427,
0.3933

■ 30.9263, 0.2427,
0.3938

■ 31.1628, 0.2426,
0.3861

■ 31.4977, 0.2441,
0.3789

■ 31.9819, 0.2474,
0.3717

■ 32.6340, 0.2527,
0.3646

■ 33.4699, 0.2597,
0.3577

■ 34.5037, 0.2683,
0.3511

■ 35.7481, 0.2783,
0.3448

■ 37.2146, 0.2893,
0.3390

■ 38.9141, 0.3011,
0.3336

Harmonies

Analogous

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



30.9384, 0.3077, 0.4524



30.9384, 0.2427, 0.3933



30.9384, 0.1997, 0.3154

Triad

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



30.9384, 0.2427, 0.3933



30.9384, 0.2393, 0.2182



30.9384, 0.4587, 0.3775

Complementary

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



30.9384, 0.2427, 0.3933



8.8037, 0.6044, 0.3110

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.



30.9384, 0.4390, 0.3230



30.9384, 0.2427, 0.3933



30.9384, 0.3037, 0.2365

Square

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



30.9384, 0.2427, 0.3933



30.9384, 0.1989, 0.2230



30.9384, 0.3791, 0.2735



30.9384, 0.4340, 0.4289

Rectangle

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



30.9384, 0.2427, 0.3933



30.9384, 0.1869, 0.2718



30.9384, 0.3791, 0.2735



30.9384, 0.4573, 0.3592

Sweetspot

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



30.9396, 0.2427, 0.3933



63.7410, 0.2770, 0.3455



29.5390, 0.3084, 0.5928



14.0048, 0.2729, 0.3481



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.



30.9396, 0.2427, 0.3933



55.3556, 0.2431, 0.3950



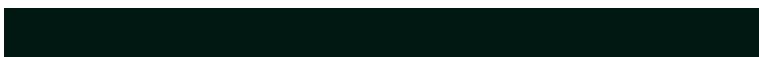
17.0788, 0.1988, 0.2353



9.0442, 0.3012, 0.3336



23.3211, 0.2425, 0.3931



0.6557, 0.2365, 0.3714

Inverse Universe

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



8.8037, 0.6044, 0.3110



15.6907, 0.6099, 0.3134



10.8768, 0.5975, 0.3629



8.0406, 0.3256, 0.3245



6.6211, 0.6040, 0.3101



0.1916, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 30.9384, 0.2427, 0.3933 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 30.9384, 0.2427, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

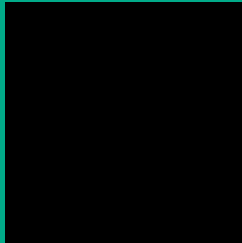
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9384, 0.2427, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 30.9384, 0.2427, 0.3933.

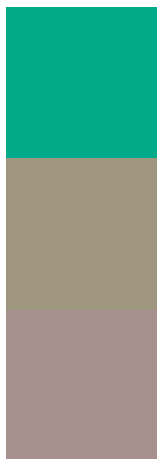


This preview shows how white text looks on a background with the Yxy color 30.9384, 0.2427, 0.3933.

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

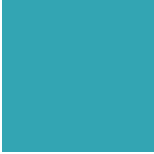
30.9384, 0.2427, 0.3933

Protanopia

30.5882, 0.3446, 0.3664

Deuteranopia

30.4495, 0.3383, 0.3321



Tritanopia

30.8687, 0.2268, 0.3050

Trichromacy



Original Color

30.9384, 0.2427, 0.3933



Protanomaly

28.8321, 0.2845, 0.3794



Deuteranomaly

28.1601, 0.2802, 0.3518



Tritanomaly

30.6411, 0.2306, 0.3341

Monochromacy



Original Color

30.9384, 0.2427, 0.3933



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.5194, 0.2632, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9384, 0.2427, 0.3933 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(1, 171, 137)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 137)  
}
```

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(1, 171, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 137) }
```

Border

The CSS property to change the border of an element to Yxy 30.9384, 0.2427, 0.3933 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(1, 171, 137) }
```

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

```
.border{ border-color:rgb(1, 171, 137) }
```

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

Here you see how a box with a 4 pixel rgb(1, 171, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 137);  
box-shadow:4px 4px 4px 4px rgb(1, 171,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9384, 0.2427, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 137) }
```

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

```
.background{ background-color: rgb(1, 171,  
137) }
```

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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