

Converting Colors

$Y_{xy}(30.9910, 0.2596, 0.4543)$

Have a look what the booklet for
Yxy(30.9910, 0.2596, 0.4543)
contains.

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Color

Yxy(30.9977, 0.2597, 0.4543)

Conversions

Conversions Part 1

Format	Color
Hex	01AD6D
RGB	1, 173, 109
RGB Percent	0%, 68%, 43%
CMY	0.9944, 0.3216, 0.5726
CMYK	0.99, 0.00, 0.37, 0.32
HSL	158°, 98%, 34%
HSV	158°, 99%, 68%
XYZ	17.7198, 30.9977, 19.5143
YIQ	114.2760, -81.9680, -56.3680

Conversions

Conversions Part 2

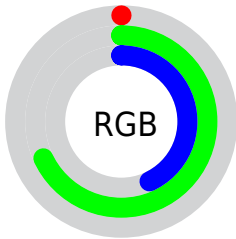
Format	Color
RYB	1, 107, 173
Decimal	109933
CIELab	62.51, -52.75, 22.59
CIELCh	63, 57.387, 156.815
Yxy	30.9977, 0.2597, 0.4543
Android (android.graphics.Color)	4278300013 (0xFF01AD6D)
YUV	114.2760, -2.6011, -99.3431
Hunter-Lab	55.6756, -40.6213, 18.1918

Details

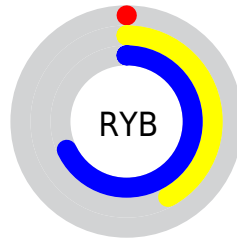
The Yxy color **30.9977, 0.2597, 0.4543** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.3015, 0.5451, 0.2783**, and the grayscale version is **16.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4940, 0.2720, 0.4263**, and **13.5306, 0.2695, 0.4902** is the 20% darker color. If you saturate the color by 10%, you get **30.9783, 0.2599, 0.4555**, and if you desaturate by 10%, it is **31.2696, 0.2580, 0.4403**.

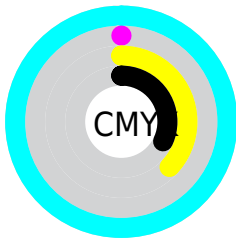
Distribution



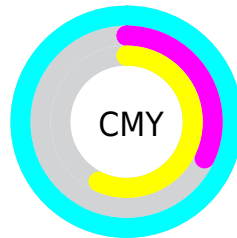
- Red (0%)
- Green (68%)
- Blue (43%)



- Red (0%)
- Yellow (42%)
- Blue (68%)



- Cyan (99%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)




- Cyan (99%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9977, 0.2597, 0.4543 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 30.9977, 0.2597, 0.4543 by changing the saturation by 10% instead.


 30.9977, 0.2597,
0.4543


 30.9977, 0.2597,
0.4543


306.5277, 0.2902,
0.3828

 20.5971, 0.2505,
0.4756


 61.2365, 0.2719,
0.4259

 12.8298, 0.2375,
0.5053


 81.8434, 0.2761,
0.4160

 7.3115, 0.2182,
0.5493


 106.6212, 0.2796,
0.4079

 3.6576, 0.1869,
0.6195

 135.9544, 0.2824,
0.4012

 1.4840, 0.0186,
0.9814

 170.2272, 0.2848,
0.3955

 0.2774, 0.0000,
1.0000

 209.8241, 0.2869,

 0.0000, 0.0000,

0.3907

0.0000

255.1295, 0.2887,
0.3865

■ 30.9977, 0.2597,
0.4543

■ 30.9977, 0.2597,
0.4543

■ 30.9783, 0.2599,
0.4555

■ 31.2696, 0.2580,
0.4403

■ 31.6639, 0.2580,
0.4260

■ 32.2193, 0.2600,
0.4117

■ 32.9550, 0.2639,
0.3976

■ 33.8876, 0.2695,
0.3839

■ 35.0317, 0.2766,
0.3710

■ 36.4003, 0.2848,
0.3588

■ 38.0057, 0.2939,
0.3477

■ 39.8590, 0.3036,
0.3375

Harmonies

Analogous

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



30.9977, 0.3441, 0.4993



30.9977, 0.2597, 0.4543



30.9977, 0.1947, 0.3561

Triad

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



30.9977, 0.2597, 0.4543



30.9977, 0.1966, 0.1948



30.9977, 0.4896, 0.3516

Complementary

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



30.9977, 0.2597, 0.4543



9.3015, 0.5451, 0.2783

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.



30.9977, 0.4396, 0.2900



30.9977, 0.2597, 0.4543



30.9977, 0.2600, 0.2046

Square

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



30.9977, 0.2597, 0.4543



30.9977, 0.1645, 0.2130



30.9977, 0.3497, 0.2382



30.9977, 0.4805, 0.4164

Rectangle

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



30.9977, 0.2597, 0.4543



30.9977, 0.1698, 0.2923



30.9977, 0.3497, 0.2382



30.9977, 0.4793, 0.3304

Sweetspot

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



30.9989, 0.2597, 0.4543



64.8395, 0.2836, 0.3604



31.0891, 0.3230, 0.5811



13.8684, 0.2802, 0.3653



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.



30.9989, 0.2597, 0.4543



55.4404, 0.2605, 0.4578



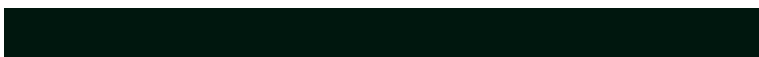
25.8021, 0.2147, 0.2923



9.0206, 0.3034, 0.3376



22.7706, 0.2594, 0.4540



0.6436, 0.2476, 0.4115

Inverse Universe

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



9.3015, 0.5451, 0.2783



16.5469, 0.5518, 0.2813



9.4397, 0.6279, 0.3384



8.0629, 0.3230, 0.3206



6.8136, 0.5447, 0.2774



0.2003, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 30.9977, 0.2597, 0.4543 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 30.9977, 0.2597, 0.4543 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 30.9977, 0.2597, 0.4543

Background



This preview shows how black text looks on a background with the Yxy color 30.9977, 0.2597, 0.4543.



This preview shows how white text looks on a background with the Yxy color 30.9977, 0.2597, 0.4543.

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

30.9977, 0.2597, 0.4543

Protanopia

30.5001, 0.3770, 0.4069

Deuteranopia

30.4376, 0.3774, 0.3702



Tritanopia

31.1488, 0.2313, 0.3068

Trichromacy



Original Color

30.9977, 0.2597, 0.4543



Protanomaly

28.3760, 0.3089, 0.4300



Deuteranomaly

28.1457, 0.3092, 0.4045



Tritanomaly

30.7563, 0.2388, 0.3561

Monochromacy



Original Color

30.9977, 0.2597, 0.4543



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.9143, 0.2722, 0.3781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9977, 0.2597, 0.4543 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, 173, 109)` looks like.

```
.text, #text, p{  
    color:rgb(1, 173, 109)  
}
```

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, 173, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 173, 109) }
```

Border

The CSS property to change the border of an element to Yxy 30.9977, 0.2597, 0.4543 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, 173, 109) }
```

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

```
.border{ border-color:rgb(1, 173, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 173, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 173, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 173, 109);  
box-shadow:4px 4px 4px 4px rgb(1, 173,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9977, 0.2597, 0.4543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 173, 109) }
```

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

```
.background{ background-color: rgb(1, 173,  
109) }
```

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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