

Converting Colors

$Yxy(18.2009, 0.1315, 0.3635)$

Have a look what the booklet for
Yxy(18.2009, 0.1315, 0.3635)
contains.

Yxy(22.2512, 0.2323, 0.3561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.2512, 0.2323, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	009285
RGB	0, 146, 133
RGB Percent	0%, 57%, 52%
CMY	0.9986, 0.4275, 0.4784
CMYK	1.00, 0.00, 0.09, 0.43
HSL	175°, 100%, 29%
HSV	175°, 100%, 57%
XYZ	14.5155, 22.2512, 25.7192
YIQ	100.8640, -82.8430, -34.9950

Conversions

Conversions Part 2

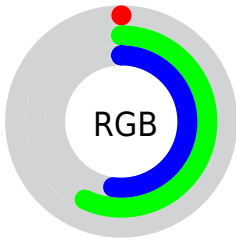
Format	Color
RYB	0, 76, 146
Decimal	37509
CIELab	54.29, -35.72, -2.44
CIELCh	54, 35.808, 183.903
Yxy	22.2512, 0.2323, 0.3561
Android (android.graphics.Color)	4278227589 (0xFF009285)
YUV	100.8640, 15.8430, -88.4577
Hunter-Lab	47.1712, -27.6218, 0.6931

Details

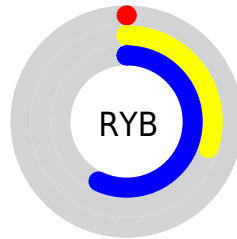
The Yxy color **22.2512, 0.2323, 0.3561** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1482, 0.6270, 0.3231**, and the grayscale version is **12.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3447, 0.2498, 0.3511**, and **8.6455, 0.2334, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **22.2489, 0.2323, 0.3562**, and if you desaturate by 10%, it is **22.3872, 0.2334, 0.3532**.

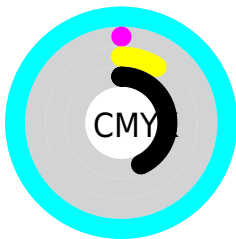
Distribution



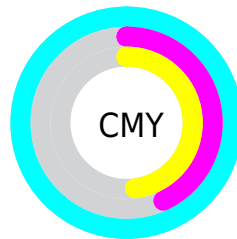
- Red (0%)
- Green (57%)
- Blue (52%)



- Red (0%)
- Yellow (30%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2512, 0.2323, 0.3561 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 22.2512, 0.2323, 0.3561 by changing the saturation by 10% instead.


 22.2512, 0.2323,
0.3561


 22.2512, 0.2323,
0.3561


263.8553, 0.2768,
0.3415


 14.0416, 0.2196,
0.3601


 47.1608, 0.2496,
0.3505

 8.1496, 0.2023,
0.3654


 64.6296, 0.2557,
0.3485


 4.1908, 0.1775,
0.3726

 85.9536, 0.2608,
0.3468

 1.7809, 0.1363,
0.3841

 111.5172, 0.2650,
0.3454

 0.4752, 0.0000,
0.4086

 141.7048, 0.2686,
0.3442

 0.0000, 0.0000,
0.0000

 176.9007, 0.2717,

0.3432

217.4894, 0.2744,
0.3423

■ 22.2512, 0.2323,
0.3561

■ 22.2512, 0.2323,
0.3561

■ 22.2489, 0.2323,
0.3562

■ 22.3872, 0.2334,
0.3532

■ 22.5920, 0.2359,
0.3502

■ 22.8986, 0.2401,
0.3472

■ 23.3196, 0.2461,
0.3443

■ 23.8656, 0.2539,
0.3414

■ 24.5462, 0.2633,
0.3386

■ 25.3698, 0.2742,
0.3359

■ 26.3445, 0.2863,
0.3334

■ 27.4774, 0.2994,
0.3311

Harmonies

Analogous

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



22.2512, 0.2833, 0.4174



22.2512, 0.2323, 0.3561



22.2512, 0.2040, 0.2926

Triad

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



22.2512, 0.2323, 0.3561



22.2512, 0.2706, 0.2351



22.2512, 0.4359, 0.3940

Complementary

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



22.2512, 0.2323, 0.3561



6.1482, 0.6270, 0.3231

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.



22.2512, 0.4350, 0.3457



22.2512, 0.2323, 0.3561



22.2512, 0.3335, 0.2592

Square

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



22.2512, 0.2323, 0.3561



22.2512, 0.2245, 0.2306



22.2512, 0.3961, 0.2983



22.2512, 0.4017, 0.4330

Rectangle

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



22.2512, 0.2323, 0.3561



22.2512, 0.1996, 0.2607



22.2512, 0.3961, 0.2983



22.2512, 0.4400, 0.3783

Sweetspot

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



22.2520, 0.2323, 0.3561



44.6250, 0.2733, 0.3361



20.6580, 0.3030, 0.5974



9.8013, 0.2691, 0.3371



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.2520, 0.2323, 0.3561



39.2395, 0.2324, 0.3567



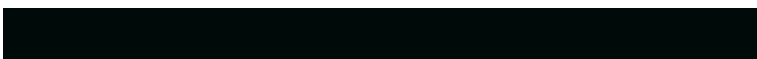
9.0139, 0.1877, 0.1953



6.5534, 0.3001, 0.3310



19.5822, 0.2322, 0.3560



0.2418, 0.2282, 0.3414

Inverse Universe

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



6.1482, 0.6270, 0.3231



10.8205, 0.6303, 0.3246



9.1992, 0.5659, 0.3885



5.8233, 0.3269, 0.3271



5.4050, 0.6268, 0.3227



0.0678, 0.5701, 0.2914

Previews

White Background



This preview shows how the Yxy color 22.2512, 0.2323, 0.3561 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2512, 0.2323, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

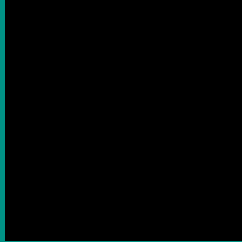
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2512, 0.2323, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 22.2512, 0.2323, 0.3561.

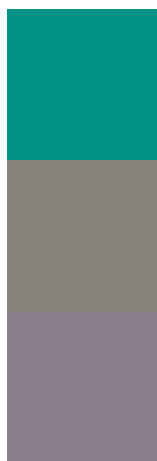


This preview shows how white text looks on a background with the Yxy color 22.2512, 0.2323, 0.3561.

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

22.2512, 0.2323, 0.3561

Protanopia

22.1171, 0.3240, 0.3397

Deuteranopia

21.9055, 0.3138, 0.3068



Tritanopia

22.3531, 0.2252, 0.3072

Trichromacy



Original Color

22.2512, 0.2323, 0.3561

Protanomaly

20.7915, 0.2695, 0.3450

Deuteranomaly

20.6273, 0.2639, 0.3230

Tritanomaly

22.2040, 0.2269, 0.3247

Monochromacy



Original Color

22.2512, 0.2323, 0.3561

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

15.0048, 0.2582, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2512, 0.2323, 0.3561 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, 146, 133)` looks like.

```
.text, #text, p{  
  color:rgb(0, 146, 133)  
}
```

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, 146, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 133) }
```

Border

The CSS property to change the border of an element to Yxy 22.2512, 0.2323, 0.3561 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, 146, 133) }
```

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

```
.border{ border-color:rgb(0, 146, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2512, 0.2323, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 133) }
```

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

```
.background{ background-color: rgb(0, 146,  
133) }
```

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