

Converting Colors

$Yxy(16.8796, 0.1123, 0.3587)$

Have a look what the booklet for
Yxy(16.8796, 0.1123, 0.3587)
contains.

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Color

Yxy(21.3109, 0.2312, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	008F84
RGB	0, 143, 132
RGB Percent	0%, 56%, 52%
CMY	0.9992, 0.4392, 0.4823
CMYK	1.00, 0.00, 0.08, 0.44
HSL	175°, 100%, 28%
HSV	175°, 100%, 56%
XYZ	13.9894, 21.3109, 25.2076
YIQ	98.9890, -81.6970, -33.7370

Conversions

Conversions Part 2

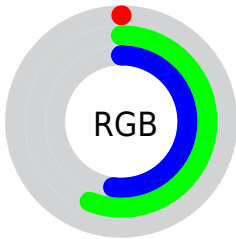
Format	Color
RYB	0, 74, 143
Decimal	36740
CIELab	53.29, -34.66, -3.34
CIELCh	53, 34.825, 185.510
Yxy	21.3109, 0.2312, 0.3522
Android (android.graphics.Color)	4278226820 (0xFF008F84)
YUV	98.9890, 16.2744, -86.8134
Hunter-Lab	46.1637, -26.6940, -0.0606

Details

The Yxy color **21.3109, 0.2312, 0.3522** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.8688, 0.6288, 0.3240**, and the grayscale version is **12.4650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4137, 0.2487, 0.3469**, and **8.2788, 0.2326, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **21.3099, 0.2312, 0.3522**, and if you desaturate by 10%, it is **21.4382, 0.2325, 0.3497**.

Distribution



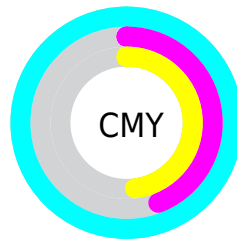
- Red (0%)
- Green (56%)
- Blue (52%)



- Red (0%)
- Yellow (29%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3109, 0.2312, 0.3522 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 21.3109, 0.2312, 0.3522 by changing the saturation by 10% instead.


 21.3109, 0.2312,
0.3522


 21.3109, 0.2312,
0.3522

258.9262, 0.2765,
0.3398

 13.3514, 0.2182,
0.3555


 45.6044, 0.2489,
0.3475


 7.6710, 0.2004,
0.3598


 62.7072, 0.2551,
0.3458

 3.8852, 0.1747,
0.3655

 83.6266, 0.2603,
0.3444

 1.6095, 0.1288,
0.3756

 108.7470, 0.2646,
0.3432

 0.3640, 0.0000,
0.3662

 138.4527, 0.2682,
0.3422

 0.0000, 0.0000,
0.0000

 173.1283, 0.2714,

0.3413

213.1579, 0.2741,
0.3405

■ 21.3109, 0.2312,
0.3522

■ 21.3109, 0.2312,
0.3522

■ 21.3099, 0.2312,
0.3522

■ 21.4382, 0.2325,
0.3497

■ 21.6298, 0.2350,
0.3472

■ 21.9183, 0.2393,
0.3446

■ 22.3155, 0.2454,
0.3421

■ 22.8318, 0.2533,
0.3396

■ 23.4760, 0.2628,
0.3372

■ 24.2564, 0.2738,
0.3350

■ 25.1804, 0.2859,
0.3328

■ 26.2550, 0.2991,
0.3308

Harmonies

Analogous

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



21.3109, 0.2807, 0.4134



21.3109, 0.2312, 0.3522



21.3109, 0.2045, 0.2902

Triad

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



21.3109, 0.2312, 0.3522



21.3109, 0.2742, 0.2370



21.3109, 0.4334, 0.3957

Complementary

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



21.3109, 0.2312, 0.3522



5.8688, 0.6288, 0.3240

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.



21.3109, 0.4345, 0.3482



21.3109, 0.2312, 0.3522



21.3109, 0.3368, 0.2618

Square

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



21.3109, 0.2312, 0.3522



21.3109, 0.2274, 0.2314



21.3109, 0.3978, 0.3011



21.3109, 0.3981, 0.4332

Rectangle

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



21.3109, 0.2312, 0.3522



21.3109, 0.2010, 0.2596



21.3109, 0.3978, 0.3011



21.3109, 0.4380, 0.3804

Sweetspot

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



21.3117, 0.2312, 0.3522



43.3223, 0.2728, 0.3351



19.7237, 0.3024, 0.5979



9.8085, 0.2686, 0.3360



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.



21.3117, 0.2312, 0.3522



38.1527, 0.2313, 0.3528



8.2486, 0.1861, 0.1897



6.1093, 0.3000, 0.3307



18.8440, 0.2311, 0.3521



0.1815, 0.2277, 0.3396

Inverse Universe

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



5.8688, 0.6288, 0.3240



10.4905, 0.6318, 0.3254



9.0411, 0.5612, 0.3924



5.4304, 0.3270, 0.3273



5.1862, 0.6285, 0.3236



0.0507, 0.5785, 0.2960

Previews

White Background



This preview shows how the Yxy color 21.3109, 0.2312, 0.3522 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 21.3109, 0.2312, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

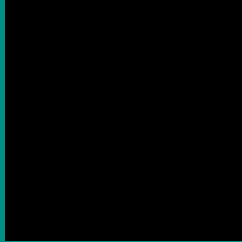
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3109, 0.2312, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 21.3109, 0.2312, 0.3522.

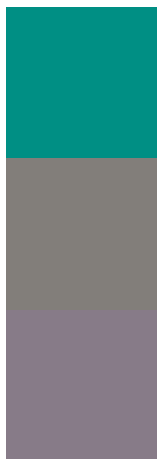


This preview shows how white text looks on a background with the Yxy color 21.3109, 0.2312, 0.3522.

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

21.3109, 0.2312, 0.3522

Protanopia

21.0727, 0.3220, 0.3363

Deuteranopia

21.0944, 0.3126, 0.3064



Tritanopia

21.3632, 0.2241, 0.3049

Trichromacy



Original Color

21.3109, 0.2312, 0.3522



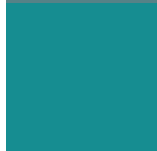
Protanomaly

19.8479, 0.2679, 0.3411



Deuteranomaly

19.6930, 0.2622, 0.3189



Tritanomaly

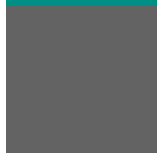
21.2647, 0.2256, 0.3206

Monochromacy



Original Color

21.3109, 0.2312, 0.3522



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.4659, 0.2584, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3109, 0.2312, 0.3522 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, 143, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 132)  
}
```

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, 143, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 132) }
```

Border

The CSS property to change the border of an element to Yxy 21.3109, 0.2312, 0.3522 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, 143, 132) }
```

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

```
.border{ border-color:rgb(0, 143, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3109, 0.2312, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 132) }
```

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

```
.background{ background-color: rgb(0, 143,  
132) }
```

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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