

Converting Colors

$Yxy(24.6984, 0.2315, 0.3533)$

Have a look what the booklet for
Yxy(24.6984, 0.2315, 0.3533)
contains.

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Color

Yxy(24.7056, 0.2314, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	01998D
RGB	1, 153, 141
RGB Percent	0%, 60%, 55%
CMY	0.9979, 0.4000, 0.4470
CMYK	1.00, 0.00, 0.08, 0.40
HSL	175°, 99%, 30%
HSV	175°, 100%, 60%
XYZ	16.2043, 24.7056, 29.1173
YIQ	106.1840, -86.7400, -35.9560

Conversions

Conversions Part 2

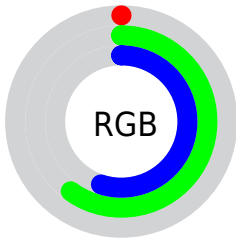
Format	Color
R_{YB}	1, 80, 153
Decimal	104845
CIE Lab	56.79, -36.49, -3.36
CIE LCh	57, 36.646, 185.256
Yxy	24.7056, 0.2314, 0.3528
Android (android.graphics.Color)	4278294925 (0xFF01998D)
YUV	106.1840, 17.1643, -92.2464
Hunter-Lab	49.7047, -28.7903, 0.0609

Details

The Yxy color **24.7056, 0.2314, 0.3528** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8110, 0.6289, 0.3243**, and the grayscale version is **14.3948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1757, 0.2480, 0.3475**, and **10.0627, 0.2328, 0.3581** is the 20% darker color. If you saturate the color by 10%, you get **24.7018, 0.2314, 0.3529**, and if you desaturate by 10%, it is **24.8478, 0.2326, 0.3502**.

Distribution



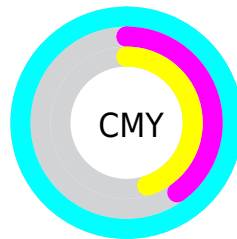
- Red (0%)
- Green (60%)
- Blue (55%)



- Red (0%)
- Yellow (31%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7056, 0.2314, 0.3528 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 24.7056, 0.2314, 0.3528 by changing the saturation by 10% instead.


 24.7056, 0.2314,
0.3528


 24.7056, 0.2314,
0.3528


276.3686, 0.2756,
0.3404


 15.8579, 0.2191,
0.3560


 51.1792, 0.2484,
0.3482


 9.4236, 0.2026,
0.3602


 69.5739, 0.2545,
0.3465


 5.0185, 0.1794,
0.3656

 91.9196, 0.2595,
0.3450

 2.2581, 0.1446,
0.3728

 118.6009, 0.2637,
0.3438

 0.7514, 0.0000,
0.4158

 150.0020, 0.2674,
0.3428

 0.0000, 0.0000,
0.0000

 186.5074, 0.2705,

0.3419

228.5015, 0.2732,
0.3411

■ 24.7056, 0.2314,
0.3528

■ 24.7056, 0.2314,
0.3528

■ 24.7018, 0.2314,
0.3529

■ 24.8478, 0.2326,
0.3502

■ 25.0689, 0.2350,
0.3476

■ 25.4032, 0.2393,
0.3450

■ 25.8649, 0.2454,
0.3424

■ 26.4661, 0.2533,
0.3399

■ 27.2174, 0.2628,
0.3374

■ 28.1283, 0.2738,
0.3351

■ 29.2078, 0.2861,
0.3329

■ 30.4640, 0.2993,
0.3308

Harmonies

Analogous

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



24.7056, 0.2811, 0.4140



24.7056, 0.2314, 0.3528



24.7056, 0.2045, 0.2906

Triad

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



24.7056, 0.2314, 0.3528



24.7056, 0.2737, 0.2367



24.7056, 0.4337, 0.3954

Complementary

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



24.7056, 0.2314, 0.3528



6.8110, 0.6289, 0.3243

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.



24.7056, 0.4345, 0.3478



24.7056, 0.2314, 0.3528



24.7056, 0.3363, 0.2614

Square

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



24.7056, 0.2314, 0.3528



24.7056, 0.2270, 0.2313



24.7056, 0.3975, 0.3007



24.7056, 0.3986, 0.4331

Rectangle

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



24.7056, 0.2314, 0.3528



24.7056, 0.2008, 0.2598



24.7056, 0.3975, 0.3007



24.7056, 0.4383, 0.3800

Sweetspot

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



24.7065, 0.2314, 0.3528



50.2141, 0.2727, 0.3353



22.8683, 0.3023, 0.5979



10.9437, 0.2684, 0.3362



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.7065, 0.2314, 0.3528



44.2309, 0.2315, 0.3534



9.5261, 0.1860, 0.1891



7.0182, 0.2999, 0.3307



20.4204, 0.2313, 0.3527



0.3074, 0.2281, 0.3411

Inverse Universe

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



6.8110, 0.6289, 0.3243



12.1648, 0.6321, 0.3256



10.4462, 0.5616, 0.3918



6.2302, 0.3271, 0.3273



5.6214, 0.6287, 0.3237



0.0859, 0.5783, 0.2959

Previews

White Background



This preview shows how the Yxy color 24.7056, 0.2314, 0.3528 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 24.7056, 0.2314, 0.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

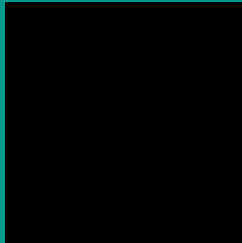
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7056, 0.2314, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 24.7056, 0.2314, 0.3528.

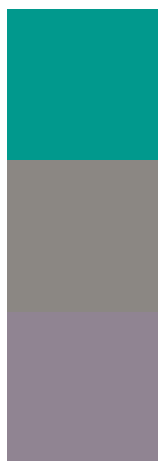


This preview shows how white text looks on a background with the Yxy color 24.7056, 0.2314, 0.3528.

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

24.7120, 0.2315, 0.3528

Protanopia

24.4556, 0.3214, 0.3358

Deuteranopia

24.5071, 0.3115, 0.3061



Tritanopia

24.8146, 0.2245, 0.3063

Trichromacy



Original Color

24.7120, 0.2315, 0.3528

Protanomaly

23.2191, 0.2678, 0.3423

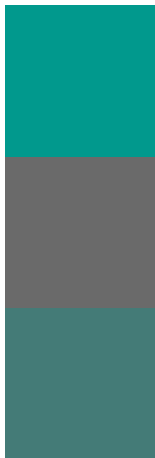
Deuteranomaly

23.0451, 0.2625, 0.3214

Tritanomaly

24.6605, 0.2263, 0.3230

Monochromacy



Original Color

24.7120, 0.2315, 0.3528

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

16.7268, 0.2584, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7056, 0.2314, 0.3528 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, 153, 141)` looks like.

```
.text, #text, p{  
    color:rgb(1, 153, 141)  
}
```

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, 153, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 153, 141) }
```

Border

The CSS property to change the border of an element to Yxy 24.7056, 0.2314, 0.3528 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, 153, 141) }
```

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

```
.border{ border-color:rgb(1, 153, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 153, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 153, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 153, 141);  
box-shadow:4px 4px 4px 4px rgb(1, 153,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7056, 0.2314, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 153, 141) }
```

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

```
.background{ background-color: rgb(1, 153,  
141) }
```

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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