

Converting Colors

$Yxy(19.0920, 0.1239, 0.3520)$

Have a look what the booklet for
Yxy(19.0920, 0.1239, 0.3520)
contains.

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Color

Yxy(23.7358, 0.2297, 0.3470)

Conversions

Conversions Part 1

Format	Color
Hex	00968D
RGB	0, 150, 141
RGB Percent	0%, 59%, 55%
CMY	1.0000, 0.4117, 0.4470
CMYK	1.00, 0.00, 0.06, 0.41
HSL	176°, 100%, 29%
HSV	176°, 100%, 59%
XYZ	15.7121, 23.7358, 28.9549
YIQ	104.1240, -86.5110, -34.5990

Conversions

Conversions Part 2

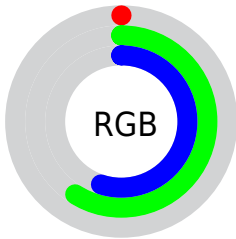
Format	Color
RYB	0, 77, 150
Decimal	38541
CIELab	55.82, -35.17, -4.78
CIElCh	56, 35.491, 187.742
Yxy	23.7358, 0.2297, 0.3470
Android (android.graphics.Color)	4278228621 (0xFF00968D)
YUV	104.1240, 18.1799, -91.3167
Hunter-Lab	48.7194, -27.6922, -1.1337

Details

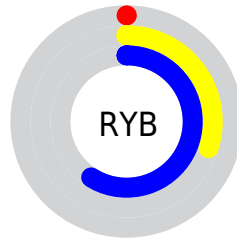
The Yxy color **23.7358, 0.2297, 0.3470** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5044, 0.6320, 0.3255**, and the grayscale version is **13.8473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7266, 0.2471, 0.3433**, and **9.4907, 0.2305, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **23.7381, 0.2297, 0.3470**, and if you desaturate by 10%, it is **23.8666, 0.2310, 0.3451**.

Distribution



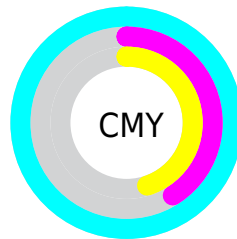
- Red (0%)
- Green (59%)
- Blue (55%)



- Red (0%)
- Yellow (30%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (41%)




- Cyan (100%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7358, 0.2297, 0.3470 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 23.7358, 0.2297, 0.3470 by changing the saturation by 10% instead.


 23.7358, 0.2297,
0.3470


 23.7358, 0.2297,
0.3470


 271.4820, 0.2750,
0.3379


 15.1378, 0.2171,
0.3492


 49.5987, 0.2471,
0.3437


 8.9161, 0.2001,
0.3519


 67.6324, 0.2534,
0.3425

 4.6865, 0.1760,
0.3551

 89.5800, 0.2585,
0.3414

 2.0645, 0.1400,
0.3585

 115.8261, 0.2629,
0.3405

 0.6446, 0.0000,
0.3831

 146.7549, 0.2666,
0.3397

 0.0000, 0.0000,
0.0000

 182.7509, 0.2698,

0.3390

224.1985, 0.2725,
0.3384

■ 23.7358, 0.2297,
0.3470

■ 23.7358, 0.2297,
0.3470

■ 23.7381, 0.2297,
0.3470

■ 23.8666, 0.2310,
0.3451

■ 24.0682, 0.2336,
0.3431

■ 24.3775, 0.2379,
0.3412

■ 24.8078, 0.2441,
0.3392

■ 25.3709, 0.2520,
0.3373

■ 26.0767, 0.2617,
0.3354

■ 26.9346, 0.2728,
0.3337

■ 27.9530, 0.2852,
0.3320

■ 29.1396, 0.2986,
0.3304

Harmonies

Analogous

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



23.7358, 0.2771, 0.4081



23.7358, 0.2297, 0.3470



23.7358, 0.2052, 0.2871

Triad

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



23.7358, 0.2297, 0.3470



23.7358, 0.2791, 0.2395



23.7358, 0.4299, 0.3981

Complementary

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



23.7358, 0.2297, 0.3470



6.5044, 0.6320, 0.3255

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.



23.7358, 0.4337, 0.3517



23.7358, 0.2297, 0.3470



23.7358, 0.3412, 0.2653

Square

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



23.7358, 0.2297, 0.3470



23.7358, 0.2314, 0.2326



23.7358, 0.4002, 0.3049



23.7358, 0.3932, 0.4335

Rectangle

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



23.7358, 0.2297, 0.3470



23.7358, 0.2030, 0.2581



23.7358, 0.4002, 0.3049



23.7358, 0.4353, 0.3832

Sweetspot

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



23.7381, 0.2297, 0.3470



47.4318, 0.2721, 0.3338



21.8794, 0.3018, 0.5986



10.3783, 0.2678, 0.3344



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.7381, 0.2297, 0.3470



41.8792, 0.2298, 0.3474



8.6998, 0.1842, 0.1830



6.5563, 0.2997, 0.3303



19.6877, 0.2297, 0.3469



0.2424, 0.2270, 0.3371

Inverse Universe

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



6.5044, 0.6320, 0.3255



11.4685, 0.6341, 0.3267



10.2656, 0.5575, 0.3955



5.8207, 0.3273, 0.3277



5.3958, 0.6312, 0.3251



0.0672, 0.5907, 0.3028

Previews

White Background



This preview shows how the Yxy color 23.7358, 0.2297, 0.3470 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 23.7358, 0.2297, 0.3470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

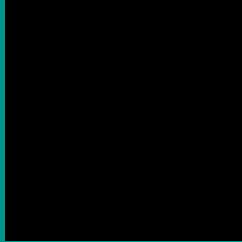
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7358, 0.2297, 0.3470

Background



This preview shows how black text looks on a background with the Yxy color 23.7358, 0.2297, 0.3470.



This preview shows how white text looks on a background with the Yxy color 23.7358, 0.2297, 0.3470.

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

23.7358, 0.2297, 0.3470

Protanopia

23.3755, 0.3184, 0.3307

Deuteranopia

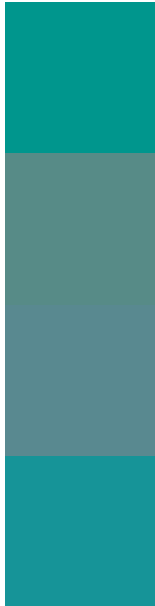
23.3513, 0.3072, 0.3007



Tritanopia

23.7107, 0.2238, 0.3058

Trichromacy



Original Color

23.7358, 0.2297, 0.3470

Protanomaly

22.2407, 0.2654, 0.3366

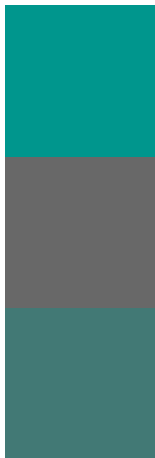
Deuteranomaly

22.0288, 0.2593, 0.3155

Tritanomaly

23.6174, 0.2254, 0.3209

Monochromacy



Original Color

23.7358, 0.2297, 0.3470

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

16.1173, 0.2577, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7358, 0.2297, 0.3470 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, 150, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 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(0, 150, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 141) }
```

Border

The CSS property to change the border of an element to Yxy 23.7358, 0.2297, 0.3470 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, 150, 141) }
```

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

```
.border{ border-color:rgb(0, 150, 141) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7358, 0.2297, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 141) }
```

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

```
.background{ background-color: rgb(0, 150,  
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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