

Converting Colors

$Yxy(17.1640, 0.0850, 0.3263)$

Have a look what the booklet for
Yxy(17.1640, 0.0850, 0.3263)
contains.

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Color

Yxy(23.0056, 0.2241, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	009394
RGB	0, 147, 148
RGB Percent	0%, 58%, 58%
CMY	0.9996, 0.4235, 0.4195
CMYK	1.00, 0.01, 0.00, 0.42
HSL	180°, 100%, 29%
HSV	180°, 100%, 58%
XYZ	15.7807, 23.0056, 31.6318
YIQ	103.1610, -87.9330, -30.8530

Conversions

Conversions Part 2

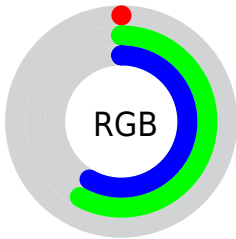
Format	Color
RYB	0, 74, 148
Decimal	37780
CIELab	55.08, -31.56, -9.91
CIELCh	55, 33.081, 197.435
Yxy	23.0056, 0.2241, 0.3267
Android (android.graphics.Color)	4278227860 (0xFF009394)
YUV	103.1610, 22.1056, -90.4722
Hunter-Lab	47.9642, -25.2089, -5.5262

Details

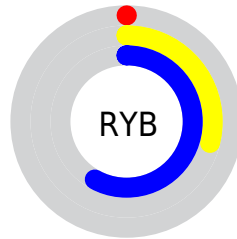
The Yxy color **23.0056, 0.2241, 0.3267** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3219, 0.6393, 0.3305**, and the grayscale version is **13.5750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6292, 0.2427, 0.3288**, and **9.2288, 0.2238, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **23.0056, 0.2241, 0.3267**, and if you desaturate by 10%, it is **23.1382, 0.2259, 0.3269**.

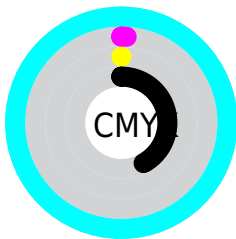
Distribution



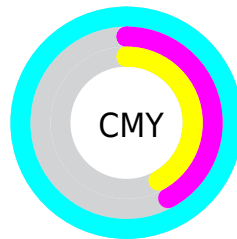
- Red (0%)
- Green (58%)
- Blue (58%)



- Red (0%)
- Yellow (29%)
- Blue (58%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0056, 0.2241, 0.3267 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 23.0056, 0.2241, 0.3267 by changing the saturation by 10% instead.


 23.0056, 0.2241,
0.3267


 23.0056, 0.2241,
0.3267


267.7538, 0.2723,
0.3294


 14.5976, 0.2108,
0.3253


 48.4025, 0.2426,
0.3281


 8.5375, 0.1929,
0.3229


 66.1603, 0.2492,
0.3285

 4.4408, 0.1680,
0.3184


 87.8034, 0.2547,
0.3288

 1.9230, 0.1311,
0.3090

 113.7163, 0.2593,
0.3290

 0.5622, 0.0000,
0.2945

 144.2834, 0.2633,
0.3291

 0.0000, 0.0000,
0.0000

 179.8891, 0.2667,

0.3292

220.9178, 0.2696,
0.3293

■ 23.0056, 0.2241,
0.3267

■ 23.1382, 0.2259,
0.3269

■ 23.3407, 0.2290,
0.3271

■ 23.6476, 0.2338,
0.3274

■ 24.0718, 0.2404,
0.3276

■ 24.6245, 0.2489,
0.3279

■ 25.3156, 0.2590,
0.3281

■ 26.1538, 0.2708,
0.3283

■ 27.1475, 0.2838,
0.3286

■ 28.3040, 0.2979,
0.3288

Harmonies

Analogous

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



23.0056, 0.2629, 0.3863



23.0056, 0.2241, 0.3267



23.0056, 0.2084, 0.2753

Triad

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



23.0056, 0.2241, 0.3267



23.0056, 0.2992, 0.2502



23.0056, 0.4152, 0.4075

Complementary

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



23.0056, 0.2241, 0.3267



6.3219, 0.6393, 0.3305

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.



23.0056, 0.4295, 0.3657



23.0056, 0.2241, 0.3267



23.0056, 0.3590, 0.2796

Square

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



23.0056, 0.2241, 0.3267



23.0056, 0.2483, 0.2375



23.0056, 0.4087, 0.3204



23.0056, 0.3733, 0.4335

Rectangle

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



23.0056, 0.2241, 0.3267



23.0056, 0.2114, 0.2525



23.0056, 0.4087, 0.3204



23.0056, 0.4236, 0.3946

Sweetspot

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



23.0065, 0.2241, 0.3267



46.0294, 0.2699, 0.3283



21.1856, 0.3000, 0.5999



10.3726, 0.2653, 0.3282



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.



23.0065, 0.2241, 0.3267



40.5717, 0.2241, 0.3267



7.0447, 0.1780, 0.1608



6.5555, 0.2990, 0.3288



19.6477, 0.2241, 0.3267



0.2423, 0.2244, 0.3278

Inverse Universe

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



8.4061, 0.3226, 0.1551



14.8237, 0.3226, 0.1551



11.2030, 0.5380, 0.4109



5.9085, 0.3138, 0.3073



7.1768, 0.3226, 0.1551



0.0880, 0.3217, 0.1546

Previews

White Background



This preview shows how the Yxy color 23.0056, 0.2241, 0.3267 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 23.0056, 0.2241, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

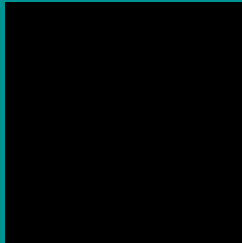
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0056, 0.2241, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 23.0056, 0.2241, 0.3267.

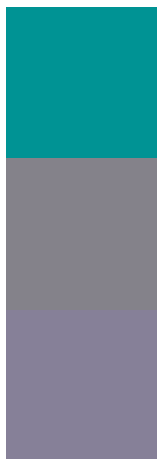


This preview shows how white text looks on a background with the Yxy color 23.0056, 0.2241, 0.3267.

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

23.0056, 0.2241, 0.3267

Protanopia

22.7058, 0.3065, 0.3151

Deuteranopia

22.7737, 0.2944, 0.2888



Tritanopia

23.2117, 0.2224, 0.3075

Trichromacy



Original Color

23.0056, 0.2241, 0.3267

Protanomaly

21.4461, 0.2565, 0.3172

Deuteranomaly

21.4936, 0.2501, 0.2987

Tritanomaly

23.0100, 0.2223, 0.3130

Monochromacy



Original Color

23.0056, 0.2241, 0.3267

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.6838, 0.2552, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0056, 0.2241, 0.3267 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, 147, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 148)  
}
```

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, 147, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 148) }
```

Border

The CSS property to change the border of an element to Yxy 23.0056, 0.2241, 0.3267 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, 147, 148) }
```

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

```
.border{ border-color:rgb(0, 147, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0056, 0.2241, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 148) }
```

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

```
.background{ background-color: rgb(0, 147,  
148) }
```

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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