

Converting Colors

$Yxy(22.8022, 0.2238, 0.3256)$

Have a look what the booklet for
Yxy(22.8022, 0.2238, 0.3256)
contains.

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Color

$\text{Yxy}(22.6959, 0.2235, 0.3247)$

Conversions

Conversions Part 1

Format	Color
Hex	009294
RGB	0, 146, 148
RGB Percent	0%, 57%, 58%
CMY	1.0000, 0.4274, 0.4196
CMYK	1.00, 0.01, 0.00, 0.42
HSL	181°, 100%, 29%
HSV	181°, 100%, 58%
XYZ	15.6222, 22.6959, 31.5799
YIQ	102.5740, -87.6580, -30.3300

Conversions

Conversions Part 2

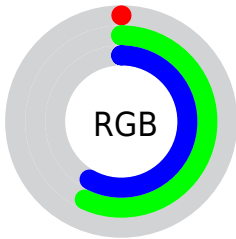
Format	Color
RYB	0, 73, 148
Decimal	37524
CIELab	54.76, -31.10, -10.39
CIELCh	55, 32.793, 198.474
Yxy	22.6959, 0.2235, 0.3247
Android (android.graphics.Color)	4278227604 (0xFF009294)
YUV	102.5740, 22.3950, -89.9574
Hunter-Lab	47.6402, -24.8365, -5.9543

Details

The Yxy color **22.6959, 0.2235, 0.3247** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3408, 0.6388, 0.3310**, and the grayscale version is **13.4042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6967, 0.2421, 0.3259**, and **9.0475, 0.2230, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **22.6986, 0.2235, 0.3247**, and if you desaturate by 10%, it is **22.8604, 0.2254, 0.3251**.

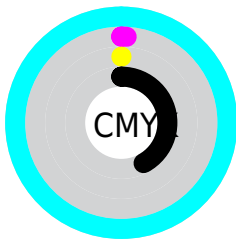
Distribution



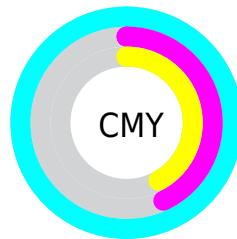
- Red (0%)
- Green (57%)
- Blue (58%)



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



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





- Cyan (100%)
- Magenta (43%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6959, 0.2235, 0.3247 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 22.6959, 0.2235, 0.3247 by changing the saturation by 10% instead.


 22.6959, 0.2235,
0.3247


 22.6959, 0.2235,
0.3247


266.1592, 0.2720,
0.3285


 14.3691, 0.2101,
0.3229


 47.8935, 0.2421,
0.3266


 8.3778, 0.1920,
0.3200


 65.5331, 0.2488,
0.3272


 4.3377, 0.1668,
0.3148

 87.0458, 0.2544,
0.3276

 1.8642, 0.1295,
0.3041

 112.8160, 0.2590,
0.3278

 0.5267, 0.0000,
0.2821

 143.2280, 0.2630,
0.3281

 0.0000, 0.0000,
0.0000

 178.6663, 0.2664,

0.3283

219.5152, 0.2694,
0.3284

■ 22.6959, 0.2235,
0.3247

■ 22.6959, 0.2235,
0.3247

■ 22.6986, 0.2235,
0.3247

■ 22.8604, 0.2254,
0.3251

■ 23.0926, 0.2286,
0.3256

■ 23.4292, 0.2334,
0.3260

■ 23.8831, 0.2401,
0.3265

■ 24.4655, 0.2486,
0.3269

■ 25.1863, 0.2588,
0.3274

■ 26.0543, 0.2706,
0.3278

■ 27.0776, 0.2837,
0.3282

■ 28.2639, 0.2978,
0.3286

Harmonies

Analogous

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



22.6959, 0.2614, 0.3841



22.6959, 0.2235, 0.3247



22.6959, 0.2087, 0.2741

Triad

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



22.6959, 0.2235, 0.3247



22.6959, 0.3013, 0.2513



22.6959, 0.4138, 0.4085

Complementary

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



22.6959, 0.2235, 0.3247



6.3408, 0.6388, 0.3310

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.



22.6959, 0.4291, 0.3672



22.6959, 0.2235, 0.3247



22.6959, 0.3608, 0.2811

Square

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



22.6959, 0.2235, 0.3247



22.6959, 0.2501, 0.2379



22.6959, 0.4096, 0.3220



22.6959, 0.3713, 0.4335

Rectangle

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



22.6959, 0.2235, 0.3247



22.6959, 0.2122, 0.2519



22.6959, 0.4096, 0.3220



22.6959, 0.4225, 0.3958

Sweetspot

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



22.6986, 0.2235, 0.3247



45.8623, 0.2699, 0.3278



21.1844, 0.3000, 0.6000



10.3297, 0.2652, 0.3276



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.



22.6986, 0.2235, 0.3247



40.0201, 0.2235, 0.3246



7.0371, 0.1780, 0.1607



6.5489, 0.2990, 0.3287



19.3875, 0.2235, 0.3247



0.2408, 0.2241, 0.3269

Inverse Universe

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



8.3728, 0.3243, 0.1560



14.7680, 0.3243, 0.1560



11.1958, 0.5382, 0.4109



5.9079, 0.3139, 0.3075



7.1505, 0.3242, 0.1560



0.0879, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 22.6959, 0.2235, 0.3247 looks on a white background.

Color Contrast Check

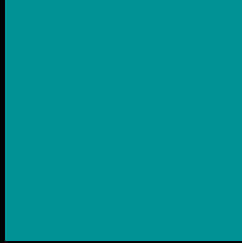
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.6959, 0.2235, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

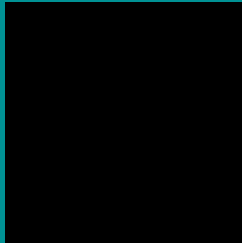
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.6959, 0.2235, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 22.6959, 0.2235, 0.3247.

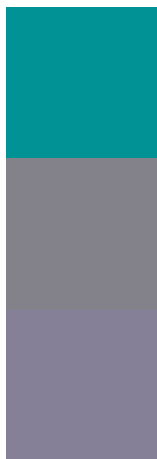


This preview shows how white text looks on a background with the Yxy color 22.6959, 0.2235, 0.3247.

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

22.6959, 0.2235, 0.3247

Protanopia

22.6255, 0.3054, 0.3151

Deuteranopia

22.4323, 0.2933, 0.2869



Tritanopia

22.8453, 0.2220, 0.3073

Trichromacy



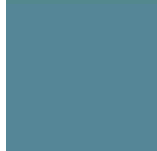
Original Color

22.6959, 0.2235, 0.3247



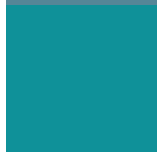
Protanomaly

21.4003, 0.2557, 0.3172



Deuteranomaly

21.2159, 0.2497, 0.2967



Tritanomaly

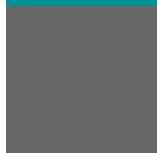
22.6523, 0.2220, 0.3129

Monochromacy



Original Color

22.6959, 0.2235, 0.3247



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 22.6959, 0.2235, 0.3247 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, 148)` looks like.

```
.text, #text, p{  
  color:rgb(0, 146, 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, 146, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 148) }
```

Border

The CSS property to change the border of an element to Yxy 22.6959, 0.2235, 0.3247 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, 148) }
```

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

```
.border{ border-color:rgb(0, 146, 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, 146, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6959, 0.2235, 0.3247 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, 148) }
```

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

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