

Converting Colors

$Yxy(16.6820, 0.0725, 0.3421)$

Have a look what the booklet for
Yxy(16.6820, 0.0725, 0.3421)
contains.

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Color

$\text{Yxy}(22.8204, 0.2275, 0.3390)$

Conversions

Conversions Part 1

Format	Color
Hex	00938E
RGB	0, 147, 142
RGB Percent	0%, 58%, 56%
CMY	1.0000, 0.4235, 0.4432
CMYK	1.00, 0.00, 0.03, 0.42
HSL	178°, 100%, 29%
HSV	178°, 100%, 58%
XYZ	15.3146, 22.8204, 29.1818
YIQ	102.4770, -86.0070, -32.7190

Conversions

Conversions Part 2

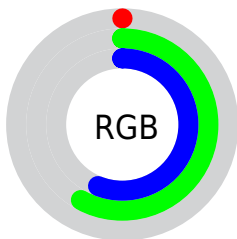
Format	Color
RYB	0, 75, 147
Decimal	37774
CIELab	54.89, -33.47, -6.73
CIELCh	55, 34.139, 191.368
Yxy	22.8204, 0.2275, 0.3390
Android (android.graphics.Color)	4278227854 (0xFF00938E)
YUV	102.4770, 19.4848, -89.8723
Hunter-Lab	47.7707, -26.3743, -2.7792

Details

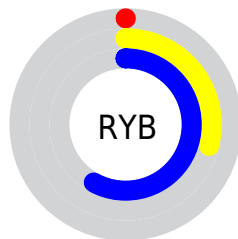
The Yxy color **22.8204, 0.2275, 0.3390** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.2145, 0.6353, 0.3274**, and the grayscale version is **13.3835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3013, 0.2453, 0.3375**, and **9.1384, 0.2280, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **22.8215, 0.2275, 0.3390**, and if you desaturate by 10%, it is **22.9357, 0.2290, 0.3379**.

Distribution



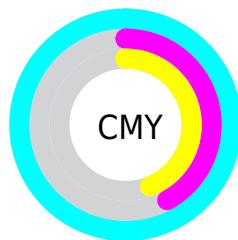
- Red (0%)
- Green (58%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8204, 0.2275, 0.3390 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 22.8204, 0.2275, 0.3390 by changing the saturation by 10% instead.


 22.8204, 0.2275,
0.3390


 22.8204, 0.2275,
0.3390


 266.8012, 0.2741,
0.3345


 14.4609, 0.2145,
0.3398


 48.0983, 0.2454,
0.3376


 8.4420, 0.1969,
0.3404


 65.7854, 0.2519,
0.3370

 4.3790, 0.1721,
0.3405

 87.3507, 0.2572,
0.3364

 1.8878, 0.1344,
0.3386

 113.1783, 0.2617,
0.3360

 0.5410, 0.0000,
0.3374

 143.6528, 0.2655,
0.3355

 0.0000, 0.0000,
0.0000

 179.1585, 0.2687,

0.3352

220.0799, 0.2716,
0.3348

■ 22.8204, 0.2275,
0.3390

■ 22.8204, 0.2275,
0.3390

■ 22.8215, 0.2275,
0.3390

■ 22.9357, 0.2290,
0.3379

■ 23.1189, 0.2318,
0.3368

■ 23.4048, 0.2363,
0.3358

■ 23.8061, 0.2426,
0.3347

■ 24.3339, 0.2508,
0.3336

■ 24.9979, 0.2606,
0.3326

■ 25.8066, 0.2720,
0.3316

■ 26.7682, 0.2846,
0.3307

■ 27.8901, 0.2983,
0.3298

Harmonies

Analogous

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



22.8204, 0.2715, 0.3997



22.8204, 0.2275, 0.3390



22.8204, 0.2064, 0.2824

Triad

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



22.8204, 0.2275, 0.3390



22.8204, 0.2868, 0.2437



22.8204, 0.4243, 0.4018

Complementary

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



22.8204, 0.2275, 0.3390



6.2145, 0.6353, 0.3274

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.



22.8204, 0.4321, 0.3571



22.8204, 0.2275, 0.3390



22.8204, 0.3481, 0.2708

Square

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



22.8204, 0.2275, 0.3390



22.8204, 0.2379, 0.2344



22.8204, 0.4036, 0.3109



22.8204, 0.3855, 0.4337

Rectangle

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



22.8204, 0.2275, 0.3390



22.8204, 0.2062, 0.2559



22.8204, 0.4036, 0.3109



22.8204, 0.4308, 0.3876

Sweetspot

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



22.8215, 0.2275, 0.3390



46.1155, 0.2712, 0.3316



20.9164, 0.3014, 0.5989



10.3947, 0.2667, 0.3320



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.



22.8215, 0.2275, 0.3390



40.8616, 0.2276, 0.3392



7.9697, 0.1827, 0.1776



6.5589, 0.2994, 0.3297



19.7843, 0.2275, 0.3389



0.2430, 0.2260, 0.3334

Inverse Universe

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



6.2145, 0.6353, 0.3274



11.1231, 0.6366, 0.3281



10.1178, 0.5525, 0.3995



5.8184, 0.3277, 0.3283



5.3880, 0.6350, 0.3272



0.0666, 0.6107, 0.3138

Previews

White Background



This preview shows how the Yxy color 22.8204, 0.2275, 0.3390 looks on a white background.

Color Contrast Check

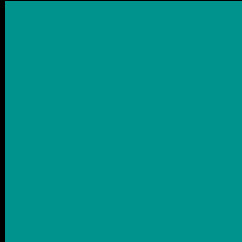
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8204, 0.2275, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

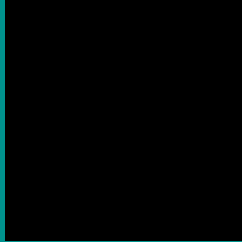
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8204, 0.2275, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 22.8204, 0.2275, 0.3390.



This preview shows how white text looks on a background with the Yxy color 22.8204, 0.2275, 0.3390.

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

22.8204, 0.2275, 0.3390

Protanopia

22.6178, 0.3140, 0.3255

Deuteranopia

22.4883, 0.3027, 0.2969



Tritanopia

22.9764, 0.2231, 0.3055

Trichromacy



Original Color

22.8204, 0.2275, 0.3390



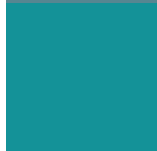
Protanomaly

21.3172, 0.2622, 0.3289



Deuteranomaly

21.1208, 0.2560, 0.3078



Tritanomaly

22.9735, 0.2240, 0.3169

Monochromacy



Original Color

22.8204, 0.2275, 0.3390



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.3650, 0.2558, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8204, 0.2275, 0.3390 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.8204, 0.2275, 0.3390 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, 142) }
```

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

```
.border{ border-color:rgb(0, 147, 142) }
```

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, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8204, 0.2275, 0.3390 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, 142) }
```

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

```
.background{ background-color: rgb(0, 147,  
142) }
```

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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