

Converting Colors

$Yxy(22.4707, 0.2246, 0.3368)$

Have a look what the booklet for
Yxy(22.4707, 0.2246, 0.3368)
contains.

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Color

Yxy(22.5108, 0.2269, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	00928E
RGB	0, 146, 142
RGB Percent	0%, 57%, 56%
CMY	1.0000, 0.4274, 0.4430
CMYK	1.00, 0.00, 0.03, 0.43
HSL	178°, 100%, 29%
HSV	178°, 100%, 57%
XYZ	15.1609, 22.5108, 29.1458
YIQ	101.8900, -85.7320, -32.1960

Conversions

Conversions Part 2

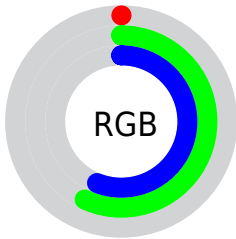
Format	Color
RYB	0, 74, 146
Decimal	37518
CIELab	54.56, -32.99, -7.23
CIELCh	55, 33.778, 192.362
Yxy	22.5108, 0.2269, 0.3369
Android (android.graphics.Color)	4278227598 (0xFF00928E)
YUV	101.8900, 19.7742, -89.3575
Hunter-Lab	47.4455, -25.9913, -3.2099

Details

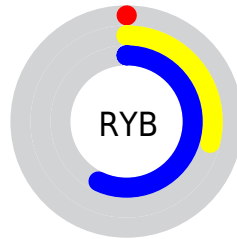
The Yxy color **22.5108, 0.2269, 0.3369** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.1201, 0.6363, 0.3279**, and the grayscale version is **13.2224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8335, 0.2450, 0.3361**, and **8.9571, 0.2272, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **22.5128, 0.2269, 0.3369**, and if you desaturate by 10%, it is **22.6230, 0.2285, 0.3360**.

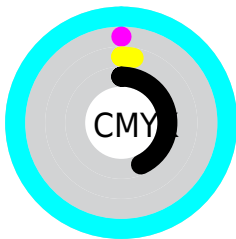
Distribution



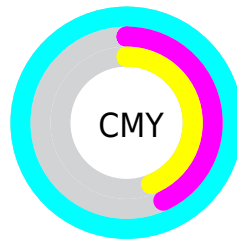
- Red (0%)
- Green (57%)
- Blue (56%)



- Red (0%)
- Yellow (29%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5108, 0.2269, 0.3369 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 22.5108, 0.2269, 0.3369 by changing the saturation by 10% instead.


 22.5108, 0.2269,
0.3369


 22.5108, 0.2269,
0.3369


 265.2023, 0.2739,
0.3336


 14.2327, 0.2137,
0.3373


 47.5888, 0.2450,
0.3360


 8.2827, 0.1960,
0.3374


 65.1575, 0.2515,
0.3355

 4.2764, 0.1709,
0.3367

 86.5919, 0.2568,
0.3351

 1.8293, 0.1325,
0.3335

 112.2763, 0.2613,
0.3348

 0.5054, 0.0000,
0.3231

 142.5951, 0.2652,
0.3344

 0.0000, 0.0000,
0.0000

 177.9328, 0.2685,

0.3341

218.6737, 0.2714,
0.3339

■ 22.5108, 0.2269,
0.3369

■ 22.5108, 0.2269,
0.3369

■ 22.5128, 0.2269,
0.3369

■ 22.6230, 0.2285,
0.3360

■ 22.8009, 0.2313,
0.3352

■ 23.0799, 0.2359,
0.3343

■ 23.4726, 0.2423,
0.3335

■ 23.9897, 0.2504,
0.3326

■ 24.6407, 0.2603,
0.3318

■ 25.4342, 0.2717,
0.3310

■ 26.3782, 0.2844,
0.3303

■ 27.4798, 0.2982,
0.3296

Harmonies

Analogous

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



22.5108, 0.2701, 0.3975



22.5108, 0.2269, 0.3369



22.5108, 0.2067, 0.2812

Triad

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



22.5108, 0.2269, 0.3369



22.5108, 0.2888, 0.2447



22.5108, 0.4228, 0.4028

Complementary

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



22.5108, 0.2269, 0.3369



6.1201, 0.6363, 0.3279

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.



22.5108, 0.4317, 0.3585



22.5108, 0.2269, 0.3369



22.5108, 0.3500, 0.2723

Square

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



22.5108, 0.2269, 0.3369



22.5108, 0.2396, 0.2349



22.5108, 0.4045, 0.3124



22.5108, 0.3835, 0.4337

Rectangle

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



22.5108, 0.2269, 0.3369



22.5108, 0.2070, 0.2553



22.5108, 0.4045, 0.3124



22.5108, 0.4297, 0.3888

Sweetspot

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



22.5128, 0.2269, 0.3369



44.7736, 0.2710, 0.3311



20.5905, 0.3009, 0.5993



9.8383, 0.2666, 0.3314



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.5128, 0.2269, 0.3369



39.7083, 0.2270, 0.3371



7.5056, 0.1811, 0.1720



6.5595, 0.2993, 0.3296



19.8107, 0.2269, 0.3369



0.2432, 0.2257, 0.3325

Inverse Universe

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



6.1201, 0.6363, 0.3279



10.7918, 0.6373, 0.3284



10.2620, 0.5476, 0.4034



5.8178, 0.3278, 0.3284



5.3859, 0.6360, 0.3277



0.0664, 0.6163, 0.3169

Previews

White Background



This preview shows how the Yxy color 22.5108, 0.2269, 0.3369 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 22.5108, 0.2269, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

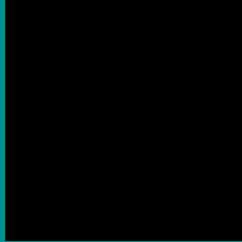
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5108, 0.2269, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 22.5108, 0.2269, 0.3369.



This preview shows how white text looks on a background with the Yxy color 22.5108, 0.2269, 0.3369.

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

22.5108, 0.2269, 0.3369

Protanopia

22.2720, 0.3130, 0.3237

Deuteranopia

22.4050, 0.3016, 0.2968



Tritanopia

22.6228, 0.2229, 0.3054

Trichromacy



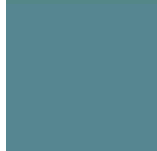
Original Color

22.5108, 0.2269, 0.3369



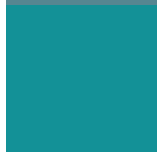
Protanomaly

20.9903, 0.2611, 0.3269



Deuteranomaly

21.0730, 0.2552, 0.3077



Tritanomaly

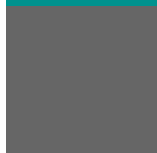
22.6236, 0.2238, 0.3168

Monochromacy



Original Color

22.5108, 0.2269, 0.3369



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 22.5108, 0.2269, 0.3369 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 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, 146, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 142) }
```

Border

The CSS property to change the border of an element to Yxy 22.5108, 0.2269, 0.3369 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, 142) }
```

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

```
.border{ border-color:rgb(0, 146, 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, 146, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5108, 0.2269, 0.3369 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, 142) }
```

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

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