

Converting Colors

$Yxy(22.3620, 0.2182, 0.3054)$

Have a look what the booklet for
Yxy(22.3620, 0.2182, 0.3054)
contains.

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Color

Yxy(22.3468, 0.2181, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	00909C
RGB	0, 144, 156
RGB Percent	0%, 56%, 61%
CMY	0.9996, 0.4353, 0.3882
CMYK	1.00, 0.08, 0.00, 0.39
HSL	185°, 100%, 31%
HSV	185°, 100%, 61%
XYZ	15.9746, 22.3468, 34.9228
YIQ	102.3120, -89.6760, -26.7960

Conversions

Conversions Part 2

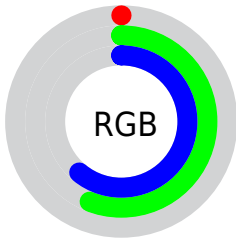
Format	Color
RYB	0, 75, 156
Decimal	37020
CIELab	54.39, -27.49, -15.54
CIELCh	54, 31.574, 209.475
Yxy	22.3468, 0.2181, 0.3051
Android (android.graphics.Color)	4278227100 (0xFF00909C)
YUV	102.3120, 26.4682, -89.7276
Hunter-Lab	47.2724, -22.4070, -10.7102

Details

The Yxy color **22.3468, 0.2181, 0.3051** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.3334, 0.6331, 0.3354**, and the grayscale version is **13.3284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2150, 0.2380, 0.3118**, and **8.8486, 0.2152, 0.2945** is the 20% darker color. If you saturate the color by 10%, you get **22.3445, 0.2181, 0.3051**, and if you desaturate by 10%, it is **22.8201, 0.2206, 0.3076**.

Distribution



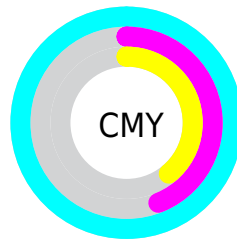
- Red (0%)
- Green (56%)
- Blue (61%)



- Red (0%)
- Yellow (29%)
- Blue (61%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)





- Cyan (100%)
- Magenta (44%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3468, 0.2181, 0.3051 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 22.3468, 0.2181, 0.3051 by changing the saturation by 10% instead.


 22.3468, 0.2181,
0.3051


 22.3468, 0.2181,
0.3051


 264.3520, 0.2693,
0.3201


 14.1119, 0.2041,
0.3001


 47.3185, 0.2377,
0.3114


 8.1986, 0.1854,
0.2927


 64.8242, 0.2447,
0.3135


 4.2223, 0.1595,
0.2809

 86.1889, 0.2506,
0.3152

 1.7987, 0.1221,
0.2603

 111.7970, 0.2555,
0.3165

 0.4863, 0.0000,
0.2152

 142.0330, 0.2597,
0.3176

 0.0000, 0.0000,
0.0000

 177.2813, 0.2634,

0.3186

217.9261, 0.2666,
0.3194

■ 22.3468, 0.2181,
0.3051

■ 22.3468, 0.2181,
0.3051

■ 22.3445, 0.2181,
0.3051

■ 22.8201, 0.2206,
0.3076

■ 23.3781, 0.2244,
0.3102

■ 24.0575, 0.2301,
0.3128

■ 24.8733, 0.2375,
0.3154

■ 25.8381, 0.2468,
0.3179

■ 26.9632, 0.2577,
0.3204

■ 28.2587, 0.2700,
0.3227

■ 29.7339, 0.2835,
0.3250

■ 31.3975, 0.2978,
0.3271

Harmonies

Analogous

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



22.3468, 0.2473, 0.3617



22.3468, 0.2181, 0.3051



22.3468, 0.2123, 0.2628

Triad

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



22.3468, 0.2181, 0.3051



22.3468, 0.3228, 0.2625



22.3468, 0.3981, 0.4177

Complementary

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



22.3468, 0.2181, 0.3051



7.3334, 0.6331, 0.3354

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.



22.3468, 0.4237, 0.3820



22.3468, 0.2181, 0.3051



22.3468, 0.3789, 0.2962

Square

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



22.3468, 0.2181, 0.3051



22.3468, 0.2684, 0.2431



22.3468, 0.4172, 0.3384



22.3468, 0.3506, 0.4318

Rectangle

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



22.3468, 0.2181, 0.3051



22.3468, 0.2214, 0.2467



22.3468, 0.4172, 0.3384



22.3468, 0.4097, 0.4074

Sweetspot

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



22.3476, 0.2181, 0.3051



51.1619, 0.2691, 0.3226



23.8001, 0.2986, 0.5948



11.0494, 0.2642, 0.3217



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



22.3476, 0.2181, 0.3051



40.4543, 0.2180, 0.3046



6.4939, 0.1719, 0.1387



7.4221, 0.2988, 0.3272



18.4281, 0.2181, 0.3053



0.3527, 0.2210, 0.3155

Inverse Universe

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



9.0836, 0.3409, 0.1652



16.4812, 0.3414, 0.1654



14.1205, 0.5195, 0.4256



6.7458, 0.3149, 0.3086



7.4825, 0.3408, 0.1651



0.1361, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 22.3468, 0.2181, 0.3051 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 22.3468, 0.2181, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

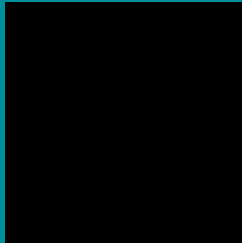
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3468, 0.2181, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 22.3468, 0.2181, 0.3051.

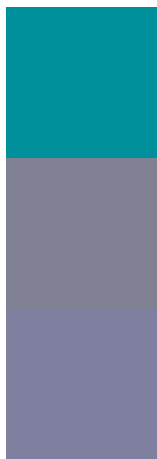


This preview shows how white text looks on a background with the Yxy color 22.3468, 0.2181, 0.3051.

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

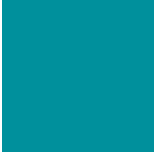
22.3468, 0.2181, 0.3051

Protanopia

22.2879, 0.2928, 0.2995

Deuteranopia

22.2288, 0.2792, 0.2735



Tritanopia

22.3468, 0.2181, 0.3051

Trichromacy



Original Color

22.3468, 0.2181, 0.3051

Protanomaly

21.0015, 0.2474, 0.2983

Deuteranomaly

21.0276, 0.2406, 0.2805

Tritanomaly

22.3468, 0.2181, 0.3051

Monochromacy



Original Color

22.3468, 0.2181, 0.3051

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.2515, 0.2510, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3468, 0.2181, 0.3051 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, 144, 156)` looks like.

```
.text, #text, p{  
  color:rgb(0, 144, 156)  
}
```

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, 144, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 156) }
```

Border

The CSS property to change the border of an element to Yxy 22.3468, 0.2181, 0.3051 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, 144, 156) }
```

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

```
.border{ border-color:rgb(0, 144, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3468, 0.2181, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 156) }
```

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

```
.background{ background-color: rgb(0, 144,  
156) }
```

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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