

Converting Colors

$Yxy(21.3389, 0.1949, 0.3001)$

Have a look what the booklet for
Yxy(21.3389, 0.1949, 0.3001)
contains.

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Color

$\text{Yxy}(22.4151, 0.2170, 0.3013)$

Conversions

Conversions Part 1

Format	Color
Hex	00909E
RGB	0, 144, 158
RGB Percent	0%, 56%, 62%
CMY	1.0000, 0.4353, 0.3803
CMYK	1.00, 0.09, 0.00, 0.38
HSL	185°, 100%, 31%
HSV	185°, 100%, 62%
XYZ	16.1436, 22.4151, 35.8359
YIQ	102.5400, -90.3180, -26.1740

Conversions

Conversions Part 2

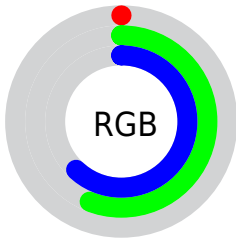
Format	Color
RYB	0, 75, 158
Decimal	37022
CIELab	54.46, -26.83, -16.60
CIELCh	54, 31.544, 211.741
Yxy	22.4151, 0.2170, 0.3013
Android (android.graphics.Color)	4278227102 (0xFF00909E)
YUV	102.5400, 27.3418, -89.9276
Hunter-Lab	47.3446, -21.9878, -11.7364

Details

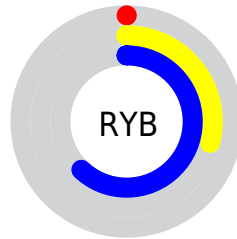
The Yxy color **22.4151, 0.2170, 0.3013** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.5867, 0.6322, 0.3362**, and the grayscale version is **13.3823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3659, 0.2366, 0.3076**, and **8.8902, 0.2137, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **22.4179, 0.2170, 0.3013**, and if you desaturate by 10%, it is **22.9538, 0.2197, 0.3043**.

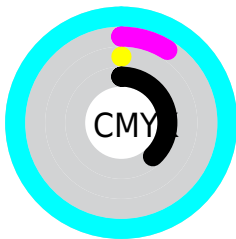
Distribution



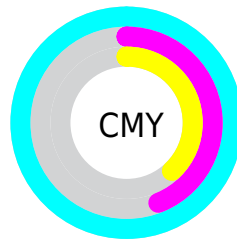
- Red (0%)
- Green (56%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4151, 0.2170, 0.3013 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 22.4151, 0.2170, 0.3013 by changing the saturation by 10% instead.

22.4151, 0.2170,
0.3013

22.4151, 0.2170,
0.3013

264.7064, 0.2688,
0.3184

14.1622, 0.2029,
0.2957

47.4311, 0.2367,
0.3084

8.2336, 0.1841,
0.2875

64.9630, 0.2439,
0.3108

4.2448, 0.1582,
0.2746

86.3568, 0.2498,
0.3127

1.8114, 0.1209,
0.2525

111.9967, 0.2548,
0.3143

0.4943, 0.0000,
0.2064

142.2673, 0.2590,
0.3156

0.0000, 0.0000,
0.0000

177.5528, 0.2627,

0.3167

218.2377, 0.2659,
0.3176

■ 22.4151, 0.2170,
0.3013

■ 22.4151, 0.2170,
0.3013

■ 22.4179, 0.2170,
0.3013

■ 22.9538, 0.2197,
0.3043

■ 23.5789, 0.2236,
0.3072

■ 24.3303, 0.2294,
0.3102

■ 25.2233, 0.2370,
0.3132

■ 26.2712, 0.2463,
0.3162

■ 27.4856, 0.2573,
0.3190

■ 28.8769, 0.2697,
0.3218

■ 30.4548, 0.2833,
0.3244

■ 32.2280, 0.2977,
0.3268

Harmonies

Analogous

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



22.4151, 0.2444, 0.3573



22.4151, 0.2170, 0.3013



22.4151, 0.2129, 0.2606

Triad

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



22.4151, 0.2170, 0.3013



22.4151, 0.3272, 0.2647



22.4151, 0.3950, 0.4195

Complementary

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



22.4151, 0.2170, 0.3013



7.5867, 0.6322, 0.3362

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.



22.4151, 0.4226, 0.3850



22.4151, 0.2170, 0.3013



22.4151, 0.3825, 0.2993

Square

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



22.4151, 0.2170, 0.3013



22.4151, 0.2722, 0.2441



22.4151, 0.4187, 0.3418



22.4151, 0.3464, 0.4314

Rectangle

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



22.4151, 0.2170, 0.3013



22.4151, 0.2232, 0.2456



22.4151, 0.4187, 0.3418



22.4151, 0.4072, 0.4098

Sweetspot

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



22.4179, 0.2170, 0.3013



52.2624, 0.2690, 0.3216



24.4930, 0.2982, 0.5936



11.5491, 0.2639, 0.3205



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



22.4179, 0.2170, 0.3013



40.5442, 0.2169, 0.3007



6.3480, 0.1704, 0.1333



7.4088, 0.2988, 0.3270



17.9766, 0.2171, 0.3015



0.3479, 0.2204, 0.3134

Inverse Universe

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



9.2858, 0.3443, 0.1670



16.8411, 0.3448, 0.1673



14.9581, 0.5151, 0.4292



6.7444, 0.3150, 0.3089



7.4370, 0.3441, 0.1669



0.1356, 0.3338, 0.1612

Previews

White Background



This preview shows how the Yxy color 22.4151, 0.2170, 0.3013 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 22.4151, 0.2170, 0.3013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

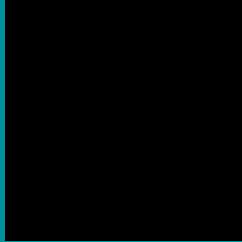
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4151, 0.2170, 0.3013

Background



This preview shows how black text looks on a background with the Yxy color 22.4151, 0.2170, 0.3013.

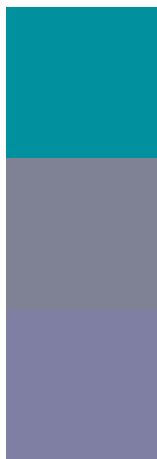


This preview shows how white text looks on a background with the Yxy color 22.4151, 0.2170, 0.3013.

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

22.4151, 0.2170, 0.3013

Protanopia

22.3507, 0.2908, 0.2961

Deuteranopia

22.2230, 0.2763, 0.2703



Tritanopia

22.3468, 0.2181, 0.3051

Trichromacy



Original Color

22.4151, 0.2170, 0.3013

Protanomaly

21.0665, 0.2460, 0.2946

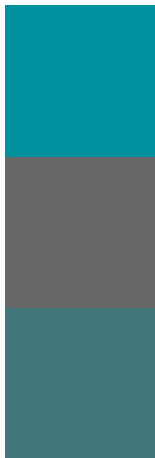
Deuteranomaly

21.0537, 0.2385, 0.2770

Tritanomaly

22.3808, 0.2176, 0.3032

Monochromacy



Original Color

22.4151, 0.2170, 0.3013

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.5452, 0.2514, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4151, 0.2170, 0.3013 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 158) }
```

Border

The CSS property to change the border of an element to Yxy 22.4151, 0.2170, 0.3013 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, 158) }
```

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

```
.border{ border-color:rgb(0, 144, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4151, 0.2170, 0.3013 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, 158) }
```

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

```
.background{ background-color: rgb(0, 144,  
158) }
```

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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