

Converting Colors

$Yxy(17.3251, 0.1106, 0.3024)$

Have a look what the booklet for
Yxy(17.3251, 0.1106, 0.3024)
contains.

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Color

Yxy(22.2796, 0.2191, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	00909A
RGB	0, 144, 154
RGB Percent	0%, 56%, 60%
CMY	1.0000, 0.4353, 0.3960
CMYK	1.00, 0.06, 0.00, 0.40
HSL	184°, 100%, 30%
HSV	184°, 100%, 60%
XYZ	15.8027, 22.2796, 34.0433
YIQ	102.0840, -89.0340, -27.4180

Conversions

Conversions Part 2

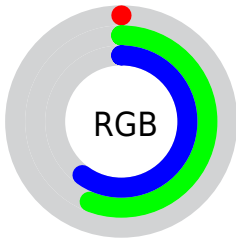
Format	Color
RYB	0, 74, 154
Decimal	37018
CIELab	54.32, -28.18, -14.50
CIELCh	54, 31.687, 207.229
Yxy	22.2796, 0.2191, 0.3089
Android (android.graphics.Color)	4278227098 (0xFF00909A)
YUV	102.0840, 25.5946, -89.5277
Hunter-Lab	47.2013, -22.8414, -9.7212

Details

The Yxy color **22.2796, 0.2191, 0.3089** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.0881, 0.6343, 0.3346**, and the grayscale version is **13.2613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0661, 0.2386, 0.3145**, and **8.8080, 0.2167, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **22.2829, 0.2191, 0.3089**, and if you desaturate by 10%, it is **22.6922, 0.2215, 0.3110**.

Distribution



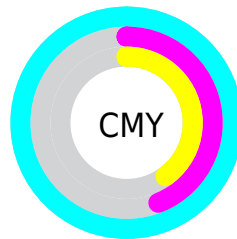
- Red (0%)
- Green (56%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (40%)




- Cyan (100%)
- Magenta (44%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2796, 0.2191, 0.3089 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 22.2796, 0.2191, 0.3089 by changing the saturation by 10% instead.


 22.2796, 0.2191,
0.3089


 22.2796, 0.2191,
0.3089


 264.0030, 0.2699,
0.3217


 14.0625, 0.2051,
0.3045


 47.2077, 0.2385,
0.3144

 8.1641, 0.1865,
0.2979


 64.6874, 0.2455,
0.3162

 4.2002, 0.1606,
0.2873

 86.0235, 0.2513,
0.3176

 1.7861, 0.1230,
0.2683

 111.6004, 0.2562,
0.3187

 0.4785, 0.0000,
0.2243

 141.8023, 0.2604,
0.3197

 0.0000, 0.0000,
0.0000

 177.0138, 0.2640,

0.3205

217.6192, 0.2671,
0.3212

■ 22.2796, 0.2191,
0.3089

■ 22.2796, 0.2191,
0.3089

■ 22.2829, 0.2191,
0.3089

■ 22.6922, 0.2215,
0.3110

■ 23.1825, 0.2252,
0.3132

■ 23.7895, 0.2307,
0.3153

■ 24.5277, 0.2380,
0.3175

■ 25.4094, 0.2471,
0.3196

■ 26.4456, 0.2578,
0.3217

■ 27.6459, 0.2700,
0.3237

■ 29.0194, 0.2834,
0.3256

■ 30.5745, 0.2978,
0.3274

Harmonies

Analogous

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



22.2796, 0.2500, 0.3662



22.2796, 0.2191, 0.3089



22.2796, 0.2115, 0.2650

Triad

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



22.2796, 0.2191, 0.3089



22.2796, 0.3184, 0.2602



22.2796, 0.4013, 0.4159

Complementary

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



22.2796, 0.2191, 0.3089



7.0881, 0.6343, 0.3346

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.



22.2796, 0.4249, 0.3790



22.2796, 0.2191, 0.3089



22.2796, 0.3754, 0.2932

Square

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



22.2796, 0.2191, 0.3089



22.2796, 0.2647, 0.2420



22.2796, 0.4159, 0.3351



22.2796, 0.3547, 0.4323

Rectangle

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



22.2796, 0.2191, 0.3089



22.2796, 0.2195, 0.2477



22.2796, 0.4159, 0.3351



22.2796, 0.4124, 0.4051

Sweetspot

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



22.2829, 0.2191, 0.3089



50.0740, 0.2693, 0.3236



23.1314, 0.2989, 0.5961



11.1335, 0.2643, 0.3228



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.



22.2829, 0.2191, 0.3089



40.3628, 0.2190, 0.3085



6.6272, 0.1733, 0.1439



6.9578, 0.2989, 0.3275



18.1720, 0.2192, 0.3091



0.2895, 0.2218, 0.3186

Inverse Universe

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



8.8849, 0.3377, 0.1634



16.1268, 0.3380, 0.1636



13.3217, 0.5243, 0.4219



6.3167, 0.3147, 0.3085



7.2398, 0.3375, 0.1633



0.1100, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 22.2796, 0.2191, 0.3089 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 22.2796, 0.2191, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

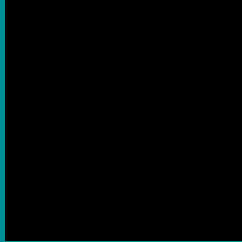
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2796, 0.2191, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 22.2796, 0.2191, 0.3089.

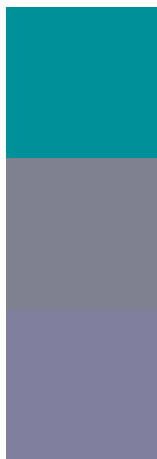


This preview shows how white text looks on a background with the Yxy color 22.2796, 0.2191, 0.3089.

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

22.2796, 0.2191, 0.3089

Protanopia

21.9640, 0.2948, 0.3010

Deuteranopia

22.2366, 0.2821, 0.2768



Tritanopia

22.3842, 0.2199, 0.3071

Trichromacy



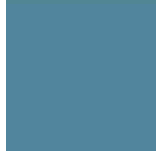
Original Color

22.2796, 0.2191, 0.3089



Protanomaly

20.9376, 0.2489, 0.3019



Deuteranomaly

20.9587, 0.2420, 0.2839



Tritanomaly

22.3582, 0.2194, 0.3070

Monochromacy



Original Color

22.2796, 0.2191, 0.3089



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.2269, 0.2519, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2796, 0.2191, 0.3089 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 154) }
```

Border

The CSS property to change the border of an element to Yxy 22.2796, 0.2191, 0.3089 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, 154) }
```

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

```
.border{ border-color:rgb(0, 144, 154) }
```

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, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2796, 0.2191, 0.3089 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, 154) }
```

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

```
.background{ background-color: rgb(0, 144,  
154) }
```

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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