

Converting Colors

$Y_{xy}(29.5718, 0.2155, 0.2959)$

Have a look what the booklet for
Yxy(29.5718, 0.2155, 0.2959)
contains.

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Color

Yxy(29.5718, 0.2155, 0.2959)

Conversions

Conversions Part 1

Format	Color
Hex	00A3B6
RGB	0, 163, 182
RGB Percent	0%, 64%, 71%
CMY	1.0000, 0.3607, 0.2863
CMYK	1.00, 0.10, 0.00, 0.29
HSL	186°, 100%, 36%
HSV	186°, 100%, 71%
XYZ	21.5367, 29.5718, 48.8299
YIQ	116.4290, -103.2470, -28.6470

Conversions

Conversions Part 2

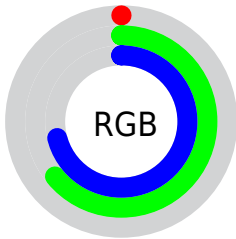
Format	Color
RYB	0, 86, 182
Decimal	41910
CIELab	61.28, -28.29, -19.84
CIElCh	61, 34.555, 215.042
Yxy	29.5718, 0.2155, 0.2959
Android (android.graphics.Color)	4278231990 (0xFF00A3B6)
YUV	116.4290, 32.3265, -102.1082
Hunter-Lab	54.3800, -24.4714, -15.1729

Details

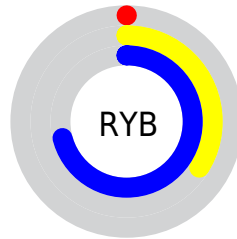
The Yxy color **29.5718, 0.2155, 0.2959** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4110, 0.6315, 0.3367**, and the grayscale version is **17.5281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8572, 0.2340, 0.3032**, and **12.9539, 0.2127, 0.2856** is the 20% darker color. If you saturate the color by 10%, you get **29.5755, 0.2155, 0.2959**, and if you desaturate by 10%, it is **30.3857, 0.2181, 0.2994**.

Distribution



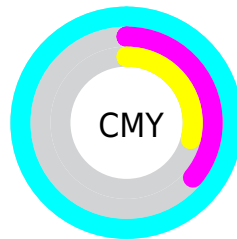
- Red (0%)
- Green (64%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5718, 0.2155, 0.2959 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 29.5718, 0.2155, 0.2959 by changing the saturation by 10% instead.

■ 29.5718, 0.2155,
0.2959

■ 29.5718, 0.2155,
0.2959

■ 299.9034, 0.2657,
0.3152

■ 19.5138, 0.2027,
0.2901

■ 58.9843, 0.2340,
0.3036

■ 12.0421, 0.1861,
0.2821

■ 79.1077, 0.2409,
0.3063

■ 6.7724, 0.1641,
0.2703

■ 103.3549, 0.2467,
0.3085

■ 3.3202, 0.1339,
0.2518

■ 132.1104, 0.2516,
0.3103

■ 1.3011, 0.0846,
0.2217

■ 165.7587, 0.2559,
0.3118

■ 0.1420, 0.0000,
0.0786

■ 204.6840, 0.2596,

■ 0.0000, 0.0000,

0.3131

0.0000

249.2707, 0.2628,
0.3143

■ 29.5718, 0.2155,
0.2959

■ 29.5718, 0.2155,
0.2959

■ 29.5755, 0.2155,
0.2959

■ 30.3857, 0.2181,
0.2994

■ 31.3272, 0.2222,
0.3030

■ 32.4459, 0.2280,
0.3066

■ 33.7639, 0.2358,
0.3102

■ 35.3000, 0.2453,
0.3137

■ 37.0708, 0.2566,
0.3171

■ 39.0910, 0.2692,
0.3204

■ 41.3744, 0.2829,
0.3235

■ 43.9336, 0.2976,
0.3264

Harmonies

Analogous

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



29.5718, 0.2404, 0.3509



29.5718, 0.2155, 0.2959



29.5718, 0.2140, 0.2576

Triad

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



29.5718, 0.2155, 0.2959



29.5718, 0.3336, 0.2680



29.5718, 0.3904, 0.4221

Complementary

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



29.5718, 0.2155, 0.2959



10.4110, 0.6315, 0.3367

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.



29.5718, 0.4209, 0.3894



29.5718, 0.2155, 0.2959



29.5718, 0.3877, 0.3037

Square

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



29.5718, 0.2155, 0.2959



29.5718, 0.2777, 0.2457



29.5718, 0.4207, 0.3466



29.5718, 0.3404, 0.4305

Rectangle

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



29.5718, 0.2155, 0.2959



29.5718, 0.2259, 0.2442



29.5718, 0.4207, 0.3466



29.5718, 0.4033, 0.4132

Sweetspot

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



29.5755, 0.2155, 0.2959



70.6717, 0.2685, 0.3202



33.5015, 0.2980, 0.5929



15.2588, 0.2631, 0.3189



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



29.5755, 0.2155, 0.2959



53.4114, 0.2154, 0.2953



8.1165, 0.1685, 0.1265



10.0462, 0.2985, 0.3265



20.9424, 0.2157, 0.2963



0.7846, 0.2182, 0.3054

Inverse Universe

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



12.5902, 0.3490, 0.1696



22.8041, 0.3496, 0.1699



20.9259, 0.5116, 0.4320



9.1462, 0.3153, 0.3088



8.8965, 0.3487, 0.1694



0.3183, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 29.5718, 0.2155, 0.2959 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 29.5718, 0.2155, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

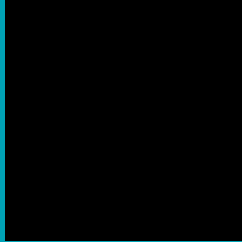
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5718, 0.2155, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 29.5718, 0.2155, 0.2959.

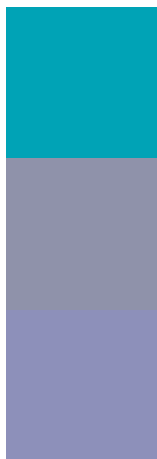


This preview shows how white text looks on a background with the Yxy color 29.5718, 0.2155, 0.2959.

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

29.5718, 0.2155, 0.2959

Protanopia

29.2997, 0.2877, 0.2920

Deuteranopia

29.1544, 0.2724, 0.2663



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



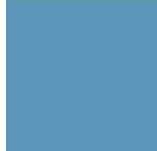
Original Color

29.5718, 0.2155, 0.2959



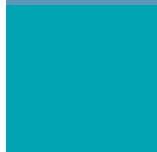
Protanomaly

27.7366, 0.2438, 0.2917



Deuteranomaly

27.8097, 0.2360, 0.2730



Tritanomaly

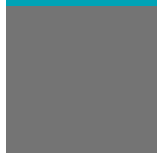
29.8056, 0.2174, 0.3026

Monochromacy



Original Color

29.5718, 0.2155, 0.2959



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.1244, 0.2494, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5718, 0.2155, 0.2959 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, 163, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 182)  
}
```

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, 163, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 182) }
```

Border

The CSS property to change the border of an element to Yxy 29.5718, 0.2155, 0.2959 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, 163, 182) }
```

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

```
.border{ border-color:rgb(0, 163, 182) }
```

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

Here you see how a box with a 4 pixel rgb(0, 163, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5718, 0.2155, 0.2959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 182) }
```

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

```
.background{ background-color: rgb(0, 163,  
182) }
```

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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