

Converting Colors

$Yxy(29.1251, 0.2199, 0.2959)$

Have a look what the booklet for
Yxy(29.1251, 0.2199, 0.2959)
contains.

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Color

$\text{Yxy}(29.1251, 0.2199, 0.2959)$

Conversions

Conversions Part 1

Format	Color
Hex	22A1B4
RGB	34, 161, 180
RGB Percent	13%, 63%, 71%
CMY	0.8663, 0.3686, 0.2941
CMYK	0.81, 0.11, 0.00, 0.29
HSL	188°, 68%, 42%
HSV	188°, 81%, 71%
XYZ	21.6445, 29.1251, 47.6593
YIQ	125.1930, -81.7910, -21.0150

Conversions

Conversions Part 2

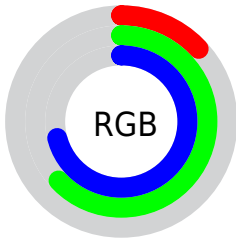
Format	Color
R_{YB}	34, 102, 180
Decimal	2269620
CIE _{Lab}	60.89, -26.10, -19.28
CIE _{LCh}	61, 32.448, 216.458
Yxy	29.1251, 0.2199, 0.2959
Android (android.graphics.Color)	4280459700 (0xFF22A1B4)
YUV	125.1930, 27.0199, -79.9763
Hunter-Lab	53.9677, -22.8535, -14.5821

Details

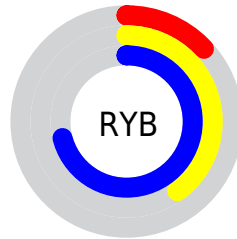
The Yxy color **29.1251, 0.2199, 0.2959** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.3738, 0.5728, 0.3476**, and the grayscale version is **20.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2320, 0.2376, 0.3032**, and **12.4696, 0.2125, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **28.0839, 0.2157, 0.2914**, and if you desaturate by 10%, it is **30.3440, 0.2259, 0.3005**.

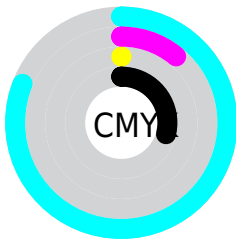
Distribution



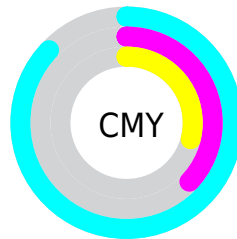
- Red (13%)
- Green (63%)
- Blue (71%)



- Red (13%)
- Yellow (40%)
- Blue (71%)



- Cyan (81%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)





- Cyan (87%)
- Magenta (37%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1251, 0.2199, 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 29.1251, 0.2199, 0.2959 by changing the saturation by 10% instead.


 29.1251, 0.2199,
0.2959


 29.1251, 0.2199,
0.2959

297.8048, 0.2681,
0.3151

 19.1755, 0.2075,
0.2902


 58.2758, 0.2377,
0.3036


 11.7971, 0.1914,
0.2822


 78.2456, 0.2444,
0.3062


 6.6057, 0.1698,
0.2705


 102.3244, 0.2499,
0.3084

 3.2168, 0.1400,
0.2522

 130.8963, 0.2546,
0.3102

 1.2459, 0.0908,
0.2223

 164.3460, 0.2587,
0.3117

 0.0987, 0.0000,
0.0601

203.0577, 0.2622,

 0.0000, 0.0000,

0.3130

0.0000

247.4158, 0.2653,
0.3141

■ 29.1251, 0.2199,
0.2959

■ 29.1251, 0.2199,
0.2959

■ 28.0839, 0.2157,
0.2914

■ 30.3440, 0.2259,
0.3005

■ 27.2602, 0.2132,
0.2874

■ 31.7594, 0.2338,
0.3050

■ 33.3909, 0.2435,
0.3094

■ 35.2551, 0.2549,
0.3137

■ 37.3664, 0.2676,
0.3179

■ 39.7383, 0.2814,
0.3217

■ 42.3832, 0.2960,
0.3254

■ 45.3127, 0.3111,
0.3287

■ 48.5376, 0.3265,
0.3317

Harmonies

Analogous

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



29.1251, 0.2427, 0.3472



29.1251, 0.2199, 0.2959



29.1251, 0.2195, 0.2603

Triad

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



29.1251, 0.2199, 0.2959



29.1251, 0.3351, 0.2724



29.1251, 0.3845, 0.4182

Complementary

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



29.1251, 0.2199, 0.2959



12.3738, 0.5728, 0.3476

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.



29.1251, 0.4142, 0.3884



29.1251, 0.2199, 0.2959



29.1251, 0.3855, 0.3070

Square

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



29.1251, 0.2199, 0.2959



29.1251, 0.2820, 0.2504



29.1251, 0.4153, 0.3481



29.1251, 0.3367, 0.4241

Rectangle

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



29.1251, 0.2199, 0.2959



29.1251, 0.2315, 0.2481



29.1251, 0.4153, 0.3481



29.1251, 0.3970, 0.4102

Sweetspot

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



29.1262, 0.2199, 0.2959



70.5601, 0.2766, 0.3205



33.2234, 0.2958, 0.5590



14.9247, 0.2718, 0.3191



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.1262, 0.2199, 0.2959



49.6675, 0.2137, 0.2880



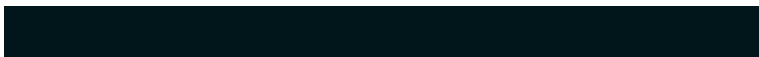
10.9533, 0.1843, 0.1607



9.4390, 0.2986, 0.3260



19.0960, 0.2133, 0.2879



0.6531, 0.2168, 0.3004

Inverse Universe

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



13.4257, 0.3481, 0.1809



22.1531, 0.3561, 0.1744



24.2515, 0.4753, 0.4378



8.6273, 0.3157, 0.3094



8.4679, 0.3562, 0.1736



0.2717, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 29.1251, 0.2199, 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 29.1251, 0.2199, 0.2959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

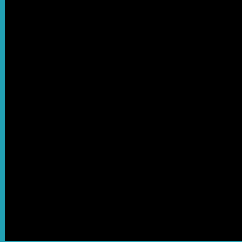
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1251, 0.2199, 0.2959

Background



This preview shows how black text looks on a background with the Yxy color 29.1251, 0.2199, 0.2959.

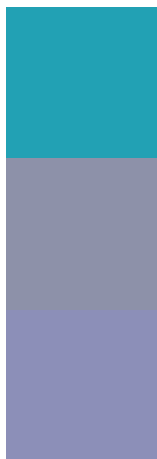


This preview shows how white text looks on a background with the Yxy color 29.1251, 0.2199, 0.2959.

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

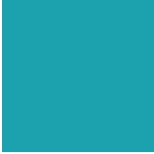
29.1251, 0.2199, 0.2959

Protanopia

28.7781, 0.2866, 0.2917

Deuteranopia

28.6811, 0.2729, 0.2673



Tritanopia

29.1827, 0.2216, 0.3059

Trichromacy



Original Color

29.1251, 0.2199, 0.2959



Protanomaly

27.9751, 0.2516, 0.2922



Deuteranomaly

27.9983, 0.2440, 0.2753



Tritanomaly

29.2910, 0.2210, 0.3026

Monochromacy



Original Color

29.1251, 0.2199, 0.2959



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.4966, 0.2612, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1251, 0.2199, 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(34, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(34, 161, 180)  
}
```

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(34, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 161, 180) }
```

Border

The CSS property to change the border of an element to Yxy 29.1251, 0.2199, 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(34, 161, 180) }
```

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

```
.border{ border-color:rgb(34, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(34, 161,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1251, 0.2199, 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(34, 161, 180) }
```

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

```
.background{ background-color: rgb(34, 161,  
180) }
```

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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