

Converting Colors

$Y_{xy}(29.0366, 0.2172, 0.2959)$

Have a look what the booklet for
Yxy(29.0366, 0.2172, 0.2959)
contains.

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Color

Yxy(28.9136, 0.2171, 0.2957)

Conversions

Conversions Part 1

Format	Color
Hex	12A1B4
RGB	18, 161, 180
RGB Percent	7%, 63%, 71%
CMY	0.9304, 0.3686, 0.2941
CMYK	0.90, 0.11, 0.00, 0.29
HSL	187°, 82%, 39%
HSV	187°, 90%, 71%
XYZ	21.2281, 28.9136, 47.6385
YIQ	120.4090, -91.3270, -24.4070

Conversions

Conversions Part 2

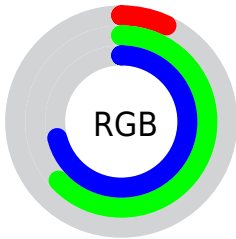
Format	Color
R_{YB}	18, 94, 180
Decimal	1221044
CIE _{Lab}	60.71, -27.26, -19.58
CIE _{LCh}	61, 33.568, 215.686
Yxy	28.9136, 0.2171, 0.2957
Android (android.graphics.Color)	4279411124 (0xFF12A1B4)
YUV	120.4090, 29.3784, -89.8127
Hunter-Lab	53.7714, -23.6309, -14.8878

Details

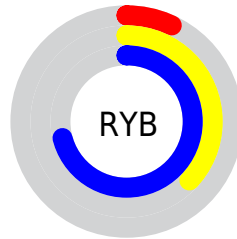
The Yxy color **28.9136, 0.2171, 0.2957** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.0515, 0.6063, 0.3422**, and the grayscale version is **18.8217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8772, 0.2354, 0.3030**, and **12.4696, 0.2125, 0.2849** is the 20% darker color. If you saturate the color by 10%, you get **28.0690, 0.2144, 0.2918**, and if you desaturate by 10%, it is **29.9013, 0.2213, 0.2997**.

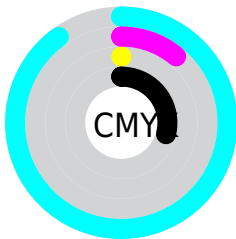
Distribution



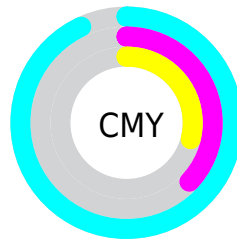
- Red (7%)
- Green (63%)
- Blue (71%)



- Red (7%)
- Yellow (37%)
- Blue (71%)



- Cyan (90%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)





- Cyan (93%)
- Magenta (37%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9136, 0.2171, 0.2957 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 28.9136, 0.2171, 0.2957 by changing the saturation by 10% instead.


 28.9136, 0.2171,
0.2957


 28.9136, 0.2171,
0.2957


 296.8071, 0.2667,
0.3151

 19.0155, 0.2043,
0.2899


 57.9398, 0.2355,
0.3035


 11.6815, 0.1878,
0.2817


 77.8366, 0.2423,
0.3062

 6.5272, 0.1657,
0.2698


 101.8352, 0.2480,
0.3084

 3.1682, 0.1353,
0.2510

 130.3198, 0.2528,
0.3102

 1.2202, 0.0834,
0.2207

 163.6749, 0.2570,
0.3117

 0.0781, 0.0000,
0.0482

 202.2849, 0.2607,

 0.0000, 0.0000,

0.3130

0.0000

246.5342, 0.2639,
0.3142

■ 28.9136, 0.2171,
0.2957

■ 28.9136, 0.2171,
0.2957

■ 28.0690, 0.2144,
0.2918

■ 29.9013, 0.2213,
0.2997

■ 31.0627, 0.2273,
0.3038

■ 32.4207, 0.2352,
0.3078

■ 33.9934, 0.2449,
0.3118

■ 35.7971, 0.2562,
0.3157

■ 37.8463, 0.2689,
0.3193

■ 40.1542, 0.2827,
0.3228

■ 42.7331, 0.2973,
0.3260

■ 45.5946, 0.3125,
0.3290

Harmonies

Analogous

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



28.9136, 0.2411, 0.3492



28.9136, 0.2171, 0.2957



28.9136, 0.2161, 0.2585

Triad

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



28.9136, 0.2171, 0.2957



28.9136, 0.3344, 0.2698



28.9136, 0.3880, 0.4207

Complementary

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



28.9136, 0.2171, 0.2957



11.0515, 0.6063, 0.3422

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.



28.9136, 0.4183, 0.3892



28.9136, 0.2171, 0.2957



28.9136, 0.3871, 0.3051

Square

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



28.9136, 0.2171, 0.2957



28.9136, 0.2796, 0.2475



28.9136, 0.4188, 0.3474



28.9136, 0.3388, 0.4281

Rectangle

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



28.9136, 0.2171, 0.2957



28.9136, 0.2281, 0.2456



28.9136, 0.4188, 0.3474



28.9136, 0.4008, 0.4122

Sweetspot

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



28.9146, 0.2171, 0.2957



69.7036, 0.2725, 0.3203



32.8979, 0.2965, 0.5774



14.7764, 0.2680, 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.



28.9146, 0.2171, 0.2957



50.6744, 0.2142, 0.2911



9.1493, 0.1750, 0.1411



9.4584, 0.2986, 0.3263



19.6555, 0.2145, 0.2923



0.6661, 0.2176, 0.3034

Inverse Universe

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



12.7004, 0.3489, 0.1740



22.1066, 0.3533, 0.1720



22.6545, 0.4916, 0.4388



8.6293, 0.3155, 0.3091



8.5244, 0.3523, 0.1714



0.2730, 0.3424, 0.1660

Previews

White Background



This preview shows how the Yxy color 28.9136, 0.2171, 0.2957 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 28.9136, 0.2171, 0.2957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

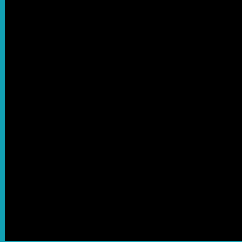
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9136, 0.2171, 0.2957

Background



This preview shows how black text looks on a background with the Yxy color 28.9136, 0.2171, 0.2957.

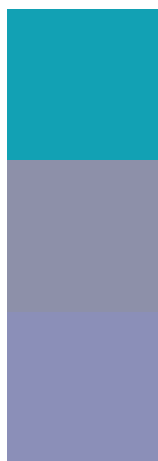


This preview shows how white text looks on a background with the Yxy color 28.9136, 0.2171, 0.2957.

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

28.9136, 0.2171, 0.2957

Protanopia

28.4738, 0.2865, 0.2901

Deuteranopia

28.5946, 0.2720, 0.2671



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.9136, 0.2171, 0.2957



Protanomaly

27.3166, 0.2471, 0.2901



Deuteranomaly

27.6645, 0.2400, 0.2747



Tritanomaly

29.0537, 0.2178, 0.3024

Monochromacy



Original Color

28.9136, 0.2171, 0.2957



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.1199, 0.2554, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9136, 0.2171, 0.2957 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(18, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 161, 180) }
```

Border

The CSS property to change the border of an element to Yxy 28.9136, 0.2171, 0.2957 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(18, 161, 180) }
```

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

```
.border{ border-color:rgb(18, 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(18, 161, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(18, 161,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9136, 0.2171, 0.2957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 161, 180) }
```

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

```
.background{ background-color: rgb(18, 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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