

Converting Colors

$Yxy(26.8444, 0.1836, 0.2888)$

Have a look what the booklet for
Yxy(26.8444, 0.1836, 0.2888)
contains.

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Color

Yxy(28.9086, 0.2141, 0.2907)

Conversions

Conversions Part 1

Format	Color
Hex	00A1B7
RGB	0, 161, 183
RGB Percent	0%, 63%, 72%
CMY	0.9995, 0.3686, 0.2824
CMYK	1.00, 0.12, 0.00, 0.28
HSL	187°, 100%, 36%
HSV	187°, 100%, 72%
XYZ	21.2911, 28.9086, 49.2451
YIQ	115.3690, -103.0180, -27.2900

Conversions

Conversions Part 2

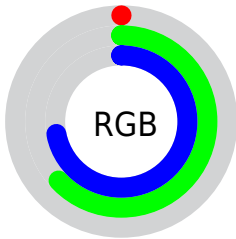
Format	Color
R_{YB}	0, 86, 183
Decimal	41399
CIE _{Lab}	60.70, -26.95, -21.28
CIE _{LCh}	61, 34.333, 218.296
Yxy	28.9086, 0.2141, 0.2907
Android (android.graphics.Color)	4278231479 (0xFF00A1B7)
YUV	115.3690, 33.3421, -101.1786
Hunter-Lab	53.7667, -23.4074, -16.6671

Details

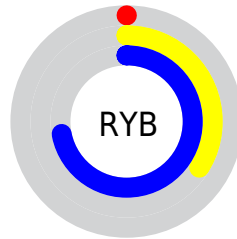
The Yxy color **28.9086, 0.2141, 0.2907** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.6430, 0.6296, 0.3382**, and the grayscale version is **17.1953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8851, 0.2330, 0.2993**, and **12.5490, 0.2107, 0.2783** is the 20% darker color. If you saturate the color by 10%, you get **28.9030, 0.2141, 0.2907**, and if you desaturate by 10%, it is **29.8170, 0.2169, 0.2948**.

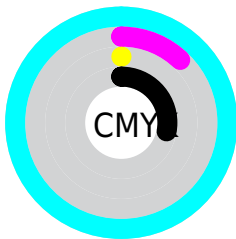
Distribution



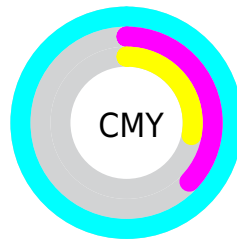
- Red (0%)
- Green (63%)
- Blue (72%)



- Red (0%)
- Yellow (34%)
- Blue (72%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (37%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9086, 0.2141, 0.2907 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 28.9086, 0.2141, 0.2907 by changing the saturation by 10% instead.

 28.9086, 0.2141,
0.2907


 28.9086, 0.2141,
0.2907

 296.7835, 0.2651,
0.3128

 19.0117, 0.2010,
0.2841


 57.9318, 0.2329,
0.2995

 11.6787, 0.1842,
0.2751


 77.8270, 0.2399,
0.3026

 6.5253, 0.1618,
0.2619


 101.8236, 0.2458,
0.3051

 3.1671, 0.1311,
0.2415

 130.3062, 0.2508,
0.3072

 1.2196, 0.0802,
0.2089

 163.6590, 0.2552,
0.3089

 0.0776, 0.0000,
0.0434

 202.2666, 0.2589,

 0.0000, 0.0000,

0.3104

0.0000

246.5133, 0.2622,
0.3117

■ 28.9086, 0.2141,
0.2907

■ 28.9086, 0.2141,
0.2907

■ 28.9030, 0.2141,
0.2907

■ 29.8170, 0.2169,
0.2948

■ 30.8616, 0.2211,
0.2990

■ 32.0890, 0.2272,
0.3031

■ 33.5217, 0.2352,
0.3073

■ 35.1787, 0.2450,
0.3114

■ 37.0767, 0.2564,
0.3154

■ 39.2310, 0.2691,
0.3191

■ 41.6553, 0.2830,
0.3227

■ 44.3623, 0.2977,
0.3260

Harmonies

Analogous

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



28.9086, 0.2365, 0.3445



28.9086, 0.2141, 0.2907



28.9086, 0.2152, 0.2546

Triad

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



28.9086, 0.2141, 0.2907



28.9086, 0.3399, 0.2713



28.9086, 0.3857, 0.4246

Complementary

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



28.9086, 0.2141, 0.2907



10.6430, 0.6296, 0.3382

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.



28.9086, 0.4190, 0.3937



28.9086, 0.2141, 0.2907



28.9086, 0.3927, 0.3081

Square

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



28.9086, 0.2141, 0.2907



28.9086, 0.2833, 0.2472



28.9086, 0.4225, 0.3514



28.9086, 0.3344, 0.4295

Rectangle

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



28.9086, 0.2141, 0.2907



28.9086, 0.2287, 0.2429



28.9086, 0.4225, 0.3514



28.9086, 0.3995, 0.4164

Sweetspot

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



28.9096, 0.2141, 0.2907



70.0478, 0.2684, 0.3189



33.9148, 0.2976, 0.5912



15.1030, 0.2629, 0.3174



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.



28.9096, 0.2141, 0.2907



51.5513, 0.2139, 0.2900



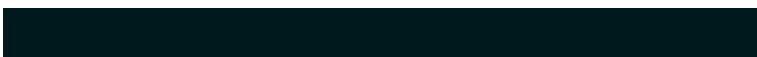
7.8275, 0.1672, 0.1217



10.0214, 0.2985, 0.3262



20.2352, 0.2142, 0.2912



0.7657, 0.2172, 0.3018

Inverse Universe

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



12.6409, 0.3537, 0.1722



22.6164, 0.3543, 0.1726



21.8504, 0.5068, 0.4357



9.1437, 0.3155, 0.3091



8.8251, 0.3533, 0.1720



0.3164, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 28.9086, 0.2141, 0.2907 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 28.9086, 0.2141, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

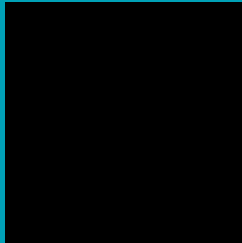
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9086, 0.2141, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 28.9086, 0.2141, 0.2907.



This preview shows how white text looks on a background with the Yxy color 28.9086, 0.2141, 0.2907.

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

28.9086, 0.2141, 0.2907

Protanopia

28.5005, 0.2830, 0.2856

Deuteranopia

28.6361, 0.2688, 0.2629



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.9086, 0.2141, 0.2907

Protanomaly

27.0711, 0.2406, 0.2849

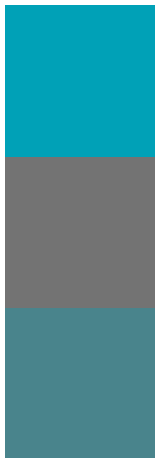
Deuteranomaly

27.4326, 0.2339, 0.2697

Tritanomaly

29.0550, 0.2169, 0.3007

Monochromacy



Original Color

28.9086, 0.2141, 0.2907

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.8124, 0.2483, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9086, 0.2141, 0.2907 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, 161, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 183)  
}
```

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, 161, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 183) }
```

Border

The CSS property to change the border of an element to Yxy 28.9086, 0.2141, 0.2907 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, 161, 183) }
```

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

```
.border{ border-color:rgb(0, 161, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9086, 0.2141, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 183) }
```

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

```
.background{ background-color: rgb(0, 161,  
183) }
```

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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