

Converting Colors

$Yxy(26.0806, 0.1671, 0.2849)$

Have a look what the booklet for
Yxy(26.0806, 0.1671, 0.2849)
contains.

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Color

$\text{Yxy}(29.3434, 0.2137, 0.2893)$

Conversions

Conversions Part 1

Format	Color
Hex	00A2B9
RGB	0, 162, 185
RGB Percent	0%, 64%, 73%
CMY	1.0000, 0.3647, 0.2746
CMYK	1.00, 0.12, 0.00, 0.27
HSL	187°, 100%, 36%
HSV	187°, 100%, 73%
XYZ	21.6754, 29.3434, 50.4102
YIQ	116.1840, -103.9350, -27.1910

Conversions

Conversions Part 2

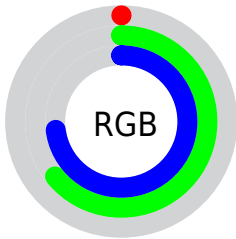
Format	Color
R _{YB}	0, 86, 185
Decimal	41657
CIE _{Lab}	61.08, -26.78, -21.82
CIE _{LCh}	61, 34.542, 219.172
Y _{xy}	29.3434, 0.2137, 0.2893
Android (android.graphics.Color)	4278231737 (0xFF00A2B9)
YUV	116.1840, 33.9263, -101.8934
Hunter-Lab	54.1695, -23.3718, -17.2566

Details

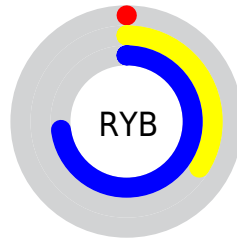
The Yxy color **29.3434, 0.2137, 0.2893** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9240, 0.6293, 0.3385**, and the grayscale version is **17.4425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5180, 0.2325, 0.2982**, and **12.8178, 0.2102, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **29.3444, 0.2137, 0.2893**, and if you desaturate by 10%, it is **30.2949, 0.2165, 0.2936**.

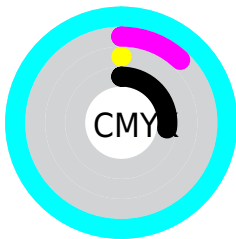
Distribution



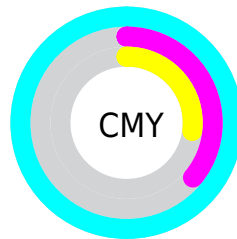
- Red (0%)
- Green (64%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (27%)




- Cyan (100%)
- Magenta (36%)
- Yellow (27%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3434, 0.2137, 0.2893 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 29.3434, 0.2137, 0.2893 by changing the saturation by 10% instead.


 29.3434, 0.2137,
0.2893

 29.3434, 0.2137,
0.2893


 298.8318, 0.2648,
0.3121


 19.3408, 0.2007,
0.2826


 58.6222, 0.2325,
0.2983

 11.9168, 0.1839,
0.2734

 78.6672, 0.2395,
0.3015

 6.6870, 0.1617,
0.2600


 102.8284, 0.2454,
0.3041

 3.2671, 0.1313,
0.2395

 131.4903, 0.2504,
0.3062

 1.2727, 0.0832,
0.2065

 165.0371, 0.2548,
0.3081

 0.1200, 0.0000,
0.0614

 203.8534, 0.2585,

 0.0000, 0.0000,

0.3096

0.0000

248.3235, 0.2619,
0.3110

■ 29.3434, 0.2137,
0.2893

■ 29.3434, 0.2137,
0.2893

■ 29.3444, 0.2137,
0.2893

■ 30.2949, 0.2165,
0.2936

■ 31.3866, 0.2208,
0.2979

■ 32.6664, 0.2269,
0.3022

■ 34.1576, 0.2349,
0.3065

■ 35.8796, 0.2447,
0.3107

■ 37.8499, 0.2562,
0.3148

■ 40.0838, 0.2690,
0.3188

■ 42.5957, 0.2828,
0.3224

■ 45.3986, 0.2975,
0.3259

Harmonies

Analogous

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



29.3434, 0.2355, 0.3429



29.3434, 0.2137, 0.2893



29.3434, 0.2155, 0.2538

Triad

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



29.3434, 0.2137, 0.2893



29.3434, 0.3416, 0.2721



29.3434, 0.3845, 0.4253

Complementary

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



29.3434, 0.2137, 0.2893



10.9240, 0.6293, 0.3385

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.



29.3434, 0.4185, 0.3949



29.3434, 0.2137, 0.2893



29.3434, 0.3941, 0.3093

Square

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



29.3434, 0.2137, 0.2893



29.3434, 0.2848, 0.2476



29.3434, 0.4230, 0.3527



29.3434, 0.3328, 0.4293

Rectangle

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



29.3434, 0.2137, 0.2893



29.3434, 0.2295, 0.2425



29.3434, 0.4230, 0.3527



29.3434, 0.3984, 0.4173

Sweetspot

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



29.3444, 0.2137, 0.2893



71.5971, 0.2683, 0.3186



34.7470, 0.2976, 0.5914



15.0635, 0.2628, 0.3170



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.



29.3444, 0.2137, 0.2893



52.3299, 0.2135, 0.2886



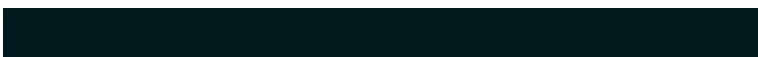
7.9971, 0.1671, 0.1214



10.0151, 0.2985, 0.3261



20.0578, 0.2139, 0.2898



0.7609, 0.2169, 0.3008

Inverse Universe

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



12.9209, 0.3550, 0.1729



23.1222, 0.3556, 0.1732



22.3632, 0.5070, 0.4356



9.1430, 0.3156, 0.3092



8.8072, 0.3545, 0.1726



0.3159, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 29.3434, 0.2137, 0.2893 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 29.3434, 0.2137, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

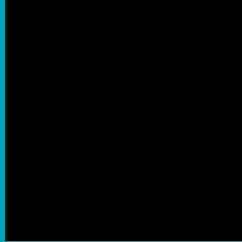
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

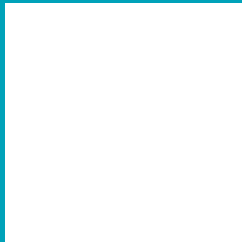
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.3434, 0.2137, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 29.3434, 0.2137, 0.2893.



This preview shows how white text looks on a background with the Yxy color 29.3434, 0.2137, 0.2893.

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

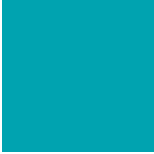
29.3434, 0.2137, 0.2893

Protanopia

28.9306, 0.2832, 0.2859

Deuteranopia

29.0239, 0.2674, 0.2618



Tritanopia

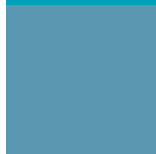
29.3290, 0.2183, 0.3058

Trichromacy



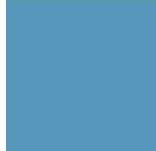
Original Color

29.3434, 0.2137, 0.2893



Protanomaly

27.4812, 0.2409, 0.2851



Deuteranomaly

27.8388, 0.2331, 0.2685



Tritanomaly

29.4491, 0.2169, 0.3008

Monochromacy



Original Color

29.3434, 0.2137, 0.2893



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.1540, 0.2487, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3434, 0.2137, 0.2893 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, 162, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 185)  
}
```

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, 162, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 185) }
```

Border

The CSS property to change the border of an element to Yxy 29.3434, 0.2137, 0.2893 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, 162, 185) }
```

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

```
.border{ border-color:rgb(0, 162, 185) }
```

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

Here you see how a box with a 4 pixel rgb(0, 162, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3434, 0.2137, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 185) }
```

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

```
.background{ background-color: rgb(0, 162,  
185) }
```

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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