

Converting Colors

$Y_{xy}(34.6178, 0.2148, 0.2931)$

Have a look what the booklet for
Yxy(34.6178, 0.2148, 0.2931)
contains.

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Color

Yxy(34.6976, 0.2149, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	01AFC5
RGB	1, 175, 197
RGB Percent	0%, 69%, 77%
CMY	0.9949, 0.3137, 0.2274
CMYK	0.99, 0.11, 0.00, 0.23
HSL	187°, 99%, 39%
HSV	187°, 99%, 77%
XYZ	25.4228, 34.6976, 58.1803
YIQ	125.4820, -110.7660, -30.0460

Conversions

Conversions Part 2

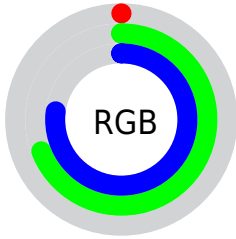
Format	Color
RYB	1, 93, 197
Decimal	110533
CIELab	65.51, -29.19, -21.75
CIELCh	66, 36.407, 216.695
Yxy	34.6976, 0.2149, 0.2933
Android (android.graphics.Color)	4278300613 (0xFF01AFC5)
YUV	125.4820, 35.2584, -109.1707
Hunter-Lab	58.9047, -26.0439, -17.3276

Details

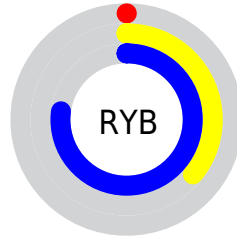
The Yxy color **34.6976, 0.2149, 0.2933** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.4980, 0.6299, 0.3372**, and the grayscale version is **20.6171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0743, 0.2325, 0.3009**, and **15.9022, 0.2119, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **34.6338, 0.2147, 0.2930**, and if you desaturate by 10%, it is **35.7191, 0.2175, 0.2971**.

Distribution



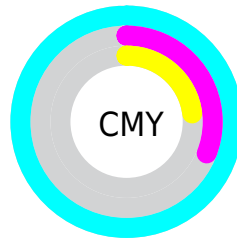
- Red (0%)
- Green (69%)
- Blue (77%)



- Red (0%)
- Yellow (36%)
- Blue (77%)



- Cyan (99%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)




- Cyan (99%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6976, 0.2149, 0.2933 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 34.6976, 0.2149, 0.2933 by changing the saturation by 10% instead.


 34.6976, 0.2149,
0.2933


 34.6976, 0.2149,
0.2933

323.2315, 0.2641,
0.3135


 23.4300, 0.2028,
0.2875


 67.0170, 0.2327,
0.3012

 14.9114, 0.1873,
0.2797


 88.8377, 0.2394,
0.3040

 8.7572, 0.1672,
0.2686


 114.9448, 0.2451,
0.3063

 4.5832, 0.1403,
0.2518

 145.7228, 0.2500,
0.3082

 2.0048, 0.1033,
0.2247

 181.5561, 0.2542,
0.3099

 0.6103, 0.0000,
0.1804

222.8291, 0.2579,

 0.0000, 0.0000,

0.3113

0.0000

269.9261, 0.2612,
0.3125

■ 34.6976, 0.2149,
0.2933

■ 34.6976, 0.2149,
0.2933

■ 34.6338, 0.2147,
0.2930

■ 35.7191, 0.2175,
0.2971

■ 36.9084, 0.2217,
0.3010

■ 38.3140, 0.2278,
0.3049

■ 39.9627, 0.2357,
0.3088

■ 41.8772, 0.2455,
0.3127

■ 44.0776, 0.2570,
0.3164

■ 46.5819, 0.2698,
0.3199

■ 49.4064, 0.2837,
0.3232

■ 52.5665, 0.2985,
0.3263

Harmonies

Analogous

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



34.6976, 0.2385, 0.3476



34.6976, 0.2149, 0.2933



34.6976, 0.2147, 0.2562

Triad

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



34.6976, 0.2149, 0.2933



34.6976, 0.3367, 0.2697



34.6976, 0.3879, 0.4233

Complementary

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



34.6976, 0.2149, 0.2933



12.4980, 0.6299, 0.3372

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.



34.6976, 0.4198, 0.3915



34.6976, 0.2149, 0.2933



34.6976, 0.3902, 0.3060

Square

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



34.6976, 0.2149, 0.2933



34.6976, 0.2806, 0.2465



34.6976, 0.4215, 0.3490



34.6976, 0.3373, 0.4299

Rectangle

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



34.6976, 0.2149, 0.2933



34.6976, 0.2274, 0.2436



34.6976, 0.4215, 0.3490



34.6976, 0.4013, 0.4147

Sweetspot

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



34.6988, 0.2149, 0.2933



82.8990, 0.2683, 0.3195



39.9947, 0.2981, 0.5927



17.3240, 0.2627, 0.3180



0.0000, 0.0000, 0.0000



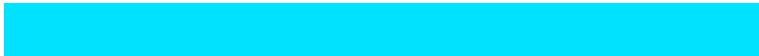
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6988, 0.2149, 0.2933



61.7931, 0.2146, 0.2925



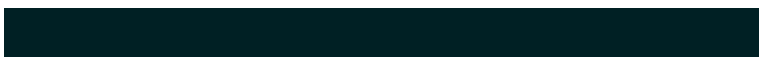
9.7153, 0.1687, 0.1267



11.8560, 0.2984, 0.3263



22.8571, 0.2149, 0.2936



1.1418, 0.2171, 0.3016

Inverse Universe

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



14.9936, 0.3513, 0.1712



26.7692, 0.3521, 0.1713



25.0001, 0.5112, 0.4318



10.7953, 0.3155, 0.3087



9.8474, 0.3511, 0.1708



0.4723, 0.3440, 0.1669

Previews

White Background



This preview shows how the Yxy color 34.6976, 0.2149, 0.2933 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34.6976, 0.2149, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

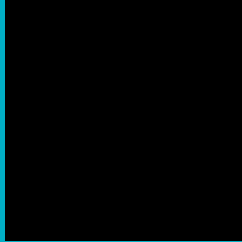
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6976, 0.2149, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 34.6976, 0.2149, 0.2933.



This preview shows how white text looks on a background with the Yxy color 34.6976, 0.2149, 0.2933.

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

34.6976, 0.2149, 0.2933

Protanopia

34.3890, 0.2851, 0.2888

Deuteranopia

34.2390, 0.2709, 0.2648

Trichromacy



Original Color

34.6976, 0.2149, 0.2933

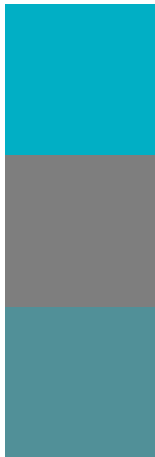
Protanomaly

32.8217, 0.2426, 0.2896

Deuteranomaly

32.5522, 0.2351, 0.2707

Monochromacy



Original Color

34.6976, 0.2149, 0.2933

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

23.9628, 0.2494, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6976, 0.2149, 0.2933 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(1, 175, 197)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 197)  
}
```

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(1, 175, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 197) }
```

Border

The CSS property to change the border of an element to Yxy 34.6976, 0.2149, 0.2933 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(1, 175, 197) }
```

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

```
.border{ border-color:rgb(1, 175, 197) }
```

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

Here you see how a box with a 4 pixel rgb(1, 175, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 197);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
197) }
```

Background

The CSS property to change the background color of an element to Yxy 34.6976, 0.2149, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 175, 197) }
```

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

```
.background{ background-color: rgb(1, 175,  
197) }
```

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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