

Converting Colors

$Y_{xy}(33.9342, 0.2167, 0.2999)$

Have a look what the booklet for
Yxy(33.9342, 0.2167, 0.2999)
contains.

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Color

Yxy(34.0401, 0.2170, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	01AEBF
RGB	1, 174, 191
RGB Percent	0%, 68%, 75%
CMY	0.9942, 0.3177, 0.2510
CMYK	0.99, 0.09, 0.00, 0.25
HSL	185°, 98%, 38%
HSV	185°, 99%, 75%
XYZ	24.5569, 34.0401, 54.5683
YIQ	124.2110, -108.5650, -31.3890

Conversions

Conversions Part 2

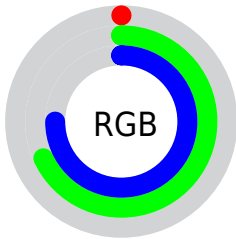
Format	Color
RYB	1, 92, 191
Decimal	110271
CIELab	64.99, -30.66, -19.22
CIELCh	65, 36.184, 212.081
Yxy	34.0401, 0.2170, 0.3008
Android (android.graphics.Color)	4278300351 (0xFF01AEBF)
YUV	124.2110, 32.9270, -108.0560
Hunter-Lab	58.3439, -26.9714, -14.6124

Details

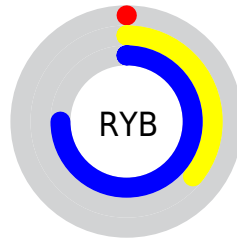
The Yxy color **34.0401, 0.2170, 0.3008** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.5287, 0.6319, 0.3354**, and the grayscale version is **20.1941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0184, 0.2348, 0.3079**, and **15.5097, 0.2141, 0.2906** is the 20% darker color. If you saturate the color by 10%, you get **33.9807, 0.2168, 0.3006**, and if you desaturate by 10%, it is **34.8532, 0.2194, 0.3038**.

Distribution



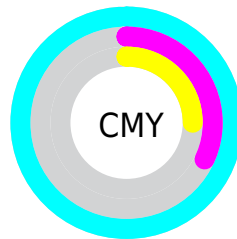
- Red (0%)
- Green (68%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (99%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)




- Cyan (99%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0401, 0.2170, 0.3008 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 34.0401, 0.2170, 0.3008 by changing the saturation by 10% instead.


 34.0401, 0.2170,
0.3008


 34.0401, 0.2170,
0.3008


320.3108, 0.2654,
0.3172


 22.9244, 0.2049,
0.2960


 65.9960, 0.2346,
0.3073

 14.5377, 0.1896,
0.2893


 87.6050, 0.2412,
0.3096


 8.4956, 0.1694,
0.2797


 113.4806, 0.2468,
0.3114

 4.4137, 0.1421,
0.2648

 144.0072, 0.2516,
0.3130

 1.9075, 0.1042,
0.2397

 179.5691, 0.2558,
0.3143

 0.5529, 0.0000,
0.1927

220.5507, 0.2594,

 0.0000, 0.0000,

0.3154

0.0000

267.3365, 0.2626,
0.3164

■ 34.0401, 0.2170,
0.3008

■ 34.0401, 0.2170,
0.3008

■ 33.9807, 0.2168,
0.3006

■ 34.8532, 0.2194,
0.3038

■ 35.8181, 0.2234,
0.3069

■ 36.9800, 0.2292,
0.3099

■ 38.3637, 0.2369,
0.3130

■ 39.9900, 0.2464,
0.3160

■ 41.8775, 0.2576,
0.3190

■ 44.0428, 0.2702,
0.3218

■ 46.5011, 0.2840,
0.3244

■ 49.2665, 0.2987,
0.3269

Harmonies

Analogous

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



34.0401, 0.2441, 0.3566



34.0401, 0.2170, 0.3008



34.0401, 0.2132, 0.2604

Triad

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



34.0401, 0.2170, 0.3008



34.0401, 0.3278, 0.2652



34.0401, 0.3944, 0.4197

Complementary

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



34.0401, 0.2170, 0.3008



11.5287, 0.6319, 0.3354

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.



34.0401, 0.4223, 0.3854



34.0401, 0.2170, 0.3008



34.0401, 0.3829, 0.2998

Square

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



34.0401, 0.2170, 0.3008



34.0401, 0.2728, 0.2444



34.0401, 0.4187, 0.3423



34.0401, 0.3457, 0.4311

Rectangle

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



34.0401, 0.2170, 0.3008



34.0401, 0.2236, 0.2456



34.0401, 0.4187, 0.3423



34.0401, 0.4066, 0.4100

Sweetspot

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



34.0413, 0.2170, 0.3008



78.3652, 0.2686, 0.3214



37.3144, 0.2985, 0.5940



16.8371, 0.2631, 0.3203



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.0413, 0.2170, 0.3008



60.6691, 0.2167, 0.3001



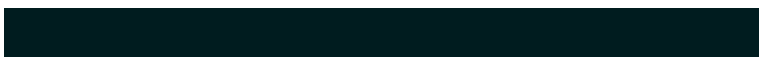
9.5741, 0.1702, 0.1323



10.6591, 0.2985, 0.3269



22.3916, 0.2169, 0.3010



0.9204, 0.2190, 0.3082

Inverse Universe

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



14.1647, 0.3447, 0.1675



25.2823, 0.3453, 0.1676



22.6760, 0.5155, 0.4283



9.6811, 0.3151, 0.3084



9.2901, 0.3446, 0.1672



0.3683, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 34.0401, 0.2170, 0.3008 looks on a white background.

Color Contrast Check

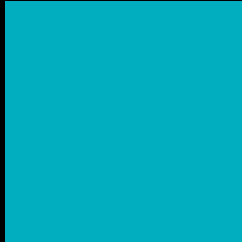
Large Text (above 18pt) WCAG AA × Fail

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 34.0401, 0.2170, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

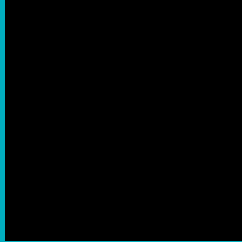
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

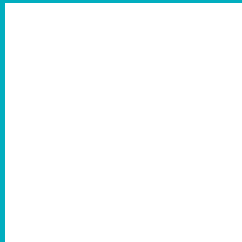
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0401, 0.2170, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 34.0401, 0.2170, 0.3008.



This preview shows how white text looks on a background with the Yxy color 34.0401, 0.2170, 0.3008.

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

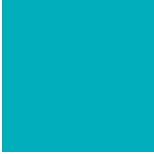
34.0401, 0.2170, 0.3008

Protanopia

33.4697, 0.2899, 0.2940

Deuteranopia

33.7721, 0.2754, 0.2698



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.0401, 0.2170, 0.3008



Protanomaly

31.8562, 0.2456, 0.2952



Deuteranomaly

31.9262, 0.2382, 0.2774



Tritanomaly

33.9527, 0.2178, 0.3040

Monochromacy



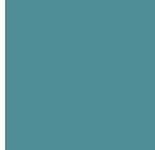
Original Color

34.0401, 0.2170, 0.3008



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.1464, 0.2502, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0401, 0.2170, 0.3008 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, 174, 191)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 191)  
}
```

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, 174, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 191) }
```

Border

The CSS property to change the border of an element to Yxy 34.0401, 0.2170, 0.3008 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, 174, 191) }
```

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

```
.border{ border-color:rgb(1, 174, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 191);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0401, 0.2170, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 191) }
```

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

```
.background{ background-color: rgb(1, 174,  
191) }
```

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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