

Converting Colors

$Y_{xy}(34.1979, 0.2170, 0.3011)$

Have a look what the booklet for
Yxy(34.1979, 0.2170, 0.3011)
contains.

Yxy(34.0337, 0.2169, 0.3008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.0337, 0.2169, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	00AEBF
RGB	0, 174, 191
RGB Percent	0%, 68%, 75%
CMY	0.9997, 0.3176, 0.2510
CMYK	1.00, 0.09, 0.00, 0.25
HSL	185°, 100%, 37%
HSV	185°, 100%, 75%
XYZ	24.5409, 34.0337, 54.5693
YIQ	123.9120, -109.1610, -31.6010

Conversions

Conversions Part 2

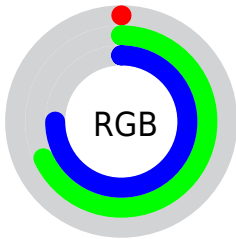
Format	Color
RYB	0, 91, 191
Decimal	44735
CIELab	64.99, -30.71, -19.23
CIELCh	65, 36.229, 212.054
Yxy	34.0337, 0.2169, 0.3008
Android (android.graphics.Color)	4278234815 (0xFF00AEBF)
YUV	123.9120, 33.0744, -108.6708
Hunter-Lab	58.3384, -27.0035, -14.6226

Details

The Yxy color **34.0337, 0.2169, 0.3008** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4810, 0.6334, 0.3353**, and the grayscale version is **20.0491, 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 **34.0316, 0.2169, 0.3008**, and if you desaturate by 10%, it is **34.8363, 0.2193, 0.3038**.

Distribution



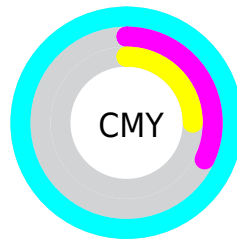
- Red (0%)
- Green (68%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)




- Cyan (100%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0337, 0.2169, 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 34.0337, 0.2169, 0.3008 by changing the saturation by 10% instead.


 34.0337, 0.2169,
0.3008


 34.0337, 0.2169,
0.3008


320.2823, 0.2654,
0.3172


 22.9195, 0.2048,
0.2960


 65.9861, 0.2345,
0.3073


 14.5341, 0.1894,
0.2893


 87.5930, 0.2412,
0.3096

 8.4930, 0.1692,
0.2796

 113.4663, 0.2468,
0.3114

 4.4120, 0.1419,
0.2647

 143.9904, 0.2515,
0.3130

 1.9066, 0.1040,
0.2397

 179.5497, 0.2557,
0.3143

 0.5523, 0.0000,
0.1926

220.5285, 0.2593,

 0.0000, 0.0000,

0.3154

0.0000

267.3112, 0.2625,
0.3164

■ 34.0337, 0.2169,
0.3008

■ 34.0337, 0.2169,
0.3008

■ 34.0316, 0.2169,
0.3008

■ 34.8363, 0.2193,
0.3038

■ 35.7833, 0.2231,
0.3068

■ 36.9253, 0.2287,
0.3099

■ 38.2873, 0.2363,
0.3129

■ 39.8904, 0.2456,
0.3159

■ 41.7532, 0.2567,
0.3188

■ 43.8926, 0.2692,
0.3216

■ 46.3238, 0.2830,
0.3243

■ 49.0610, 0.2976,
0.3267

Harmonies

Analogous

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



34.0337, 0.2441, 0.3567



34.0337, 0.2169, 0.3008



34.0337, 0.2131, 0.2604

Triad

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



34.0337, 0.2169, 0.3008



34.0337, 0.3278, 0.2651



34.0337, 0.3945, 0.4197

Complementary

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



34.0337, 0.2169, 0.3008



11.4810, 0.6334, 0.3353

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.



34.0337, 0.4224, 0.3854



34.0337, 0.2169, 0.3008



34.0337, 0.3830, 0.2997

Square

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



34.0337, 0.2169, 0.3008



34.0337, 0.2727, 0.2443



34.0337, 0.4189, 0.3422



34.0337, 0.3458, 0.4313

Rectangle

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



34.0337, 0.2169, 0.3008



34.0337, 0.2235, 0.2455



34.0337, 0.4189, 0.3422



34.0337, 0.4068, 0.4101

Sweetspot

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



34.0349, 0.2169, 0.3008



78.3949, 0.2686, 0.3215



37.3026, 0.2985, 0.5946



16.8445, 0.2631, 0.3203



97.7402, 0.3127, 0.3290



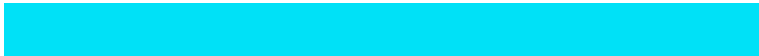
20.4902, 0.3127, 0.3290

Same Dimension

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



34.0349, 0.2169, 0.3008



60.7598, 0.2168, 0.3003



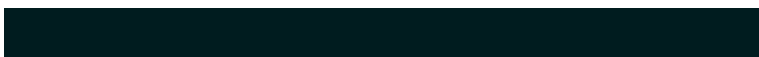
9.4462, 0.1697, 0.1309



10.6602, 0.2985, 0.3269



22.4240, 0.2170, 0.3012



0.9214, 0.2190, 0.3084

Inverse Universe

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



14.1351, 0.3447, 0.1673



25.2915, 0.3451, 0.1675



22.5457, 0.5167, 0.4279



9.6812, 0.3151, 0.3084



9.2934, 0.3444, 0.1671



0.3684, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 34.0337, 0.2169, 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 34.0337, 0.2169, 0.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

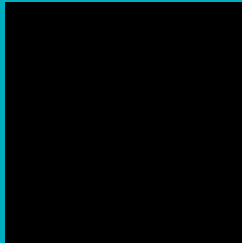
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0337, 0.2169, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 34.0337, 0.2169, 0.3008.



This preview shows how white text looks on a background with the Yxy color 34.0337, 0.2169, 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

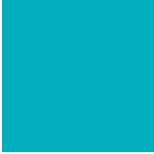
34.0337, 0.2169, 0.3008

Protanopia

33.4697, 0.2899, 0.2940

Deuteranopia

33.7721, 0.2754, 0.2698



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.0337, 0.2169, 0.3008



Protanomaly

31.8009, 0.2450, 0.2952



Deuteranomaly

31.9262, 0.2382, 0.2774



Tritanomaly

33.9462, 0.2178, 0.3040

Monochromacy



Original Color

34.0337, 0.2169, 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 34.0337, 0.2169, 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(0, 174, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 174, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 191) }
```

Border

The CSS property to change the border of an element to Yxy 34.0337, 0.2169, 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(0, 174, 191) }
```

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

```
.border{ border-color:rgb(0, 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(0, 174, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0337, 0.2169, 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(0, 174, 191) }
```

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

```
.background{ background-color: rgb(0, 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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