

Converting Colors

$Y_{xy}(30.9254, 0.1917, 0.2996)$

Have a look what the booklet for
Yxy(30.9254, 0.1917, 0.2996)
contains.

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Color

Yxy(33.1359, 0.2173, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	01ACBC
RGB	1, 172, 188
RGB Percent	0%, 67%, 74%
CMY	0.9976, 0.3255, 0.2628
CMYK	1.00, 0.09, 0.00, 0.26
HSL	185°, 99%, 37%
HSV	185°, 100%, 74%
XYZ	23.8346, 33.1359, 52.7147
YIQ	122.6950, -107.0520, -31.2760

Conversions

Conversions Part 2

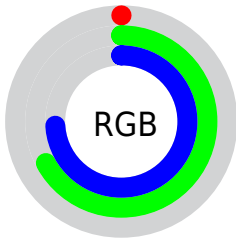
Format	Color
RYB	1, 90, 188
Decimal	109756
CIELab	64.27, -30.69, -18.65
CIELCh	64, 35.913, 211.278
Yxy	33.1359, 0.2173, 0.3021
Android (android.graphics.Color)	4278299836 (0xFF01ACBC)
YUV	122.6950, 32.1954, -106.7265
Hunter-Lab	57.5638, -26.8278, -14.0009

Details

The Yxy color **33.1359, 0.2173, 0.3021** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.0813, 0.6331, 0.3351**, and the grayscale version is **19.5777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6711, 0.2351, 0.3089**, and **14.9429, 0.2145, 0.2922** is the 20% darker color. If you saturate the color by 10%, you get **33.1136, 0.2172, 0.3020**, and if you desaturate by 10%, it is **33.8906, 0.2197, 0.3050**.

Distribution



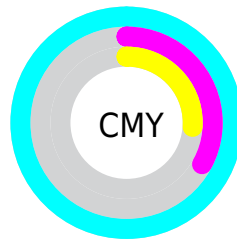
- Red (0%)
- Green (67%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1359, 0.2173, 0.3021 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 33.1359, 0.2173, 0.3021 by changing the saturation by 10% instead.


 33.1359, 0.2173,
0.3021


 33.1359, 0.2173,
0.3021


316.2617, 0.2658,
0.3179


 22.2306, 0.2051,
0.2974


 64.5876, 0.2350,
0.3084


 14.0264, 0.1896,
0.2908


 85.9029, 0.2416,
0.3106

 8.1390, 0.1691,
0.2813


 111.4568, 0.2472,
0.3124

 4.1840, 0.1413,
0.2665

 141.6339, 0.2520,
0.3139

 1.7770, 0.1021,
0.2412

 176.8186, 0.2562,
0.3151

 0.4728, 0.0000,
0.1841

217.3951, 0.2598,

 0.0000, 0.0000,

0.3162

0.0000

263.7480, 0.2630,
0.3171

■ 33.1359, 0.2173,
0.3021

■ 33.1359, 0.2173,
0.3021

■ 33.1136, 0.2172,
0.3020

■ 33.8906, 0.2197,
0.3050

■ 34.7863, 0.2235,
0.3078

■ 35.8700, 0.2291,
0.3108

■ 37.1656, 0.2367,
0.3137

■ 38.6935, 0.2461,
0.3166

■ 40.4715, 0.2572,
0.3193

■ 42.5156, 0.2697,
0.3220

■ 44.8405, 0.2834,
0.3245

■ 47.4598, 0.2980,
0.3269

Harmonies

Analogous

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



33.1359, 0.2451, 0.3582



33.1359, 0.2173, 0.3021



33.1359, 0.2129, 0.2611

Triad

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



33.1359, 0.2173, 0.3021



33.1359, 0.3263, 0.2643



33.1359, 0.3956, 0.4191

Complementary

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



33.1359, 0.2173, 0.3021



11.0813, 0.6331, 0.3351

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.



33.1359, 0.4228, 0.3844



33.1359, 0.2173, 0.3021



33.1359, 0.3817, 0.2987

Square

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



33.1359, 0.2173, 0.3021



33.1359, 0.2715, 0.2440



33.1359, 0.4183, 0.3411



33.1359, 0.3472, 0.4314

Rectangle

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



33.1359, 0.2173, 0.3021



33.1359, 0.2229, 0.2459



33.1359, 0.4183, 0.3411



33.1359, 0.4076, 0.4092

Sweetspot

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



33.1371, 0.2173, 0.3021



76.7356, 0.2686, 0.3218



36.0075, 0.2985, 0.5943



16.1563, 0.2632, 0.3207



95.5105, 0.3127, 0.3290



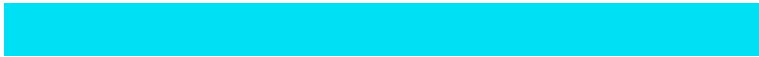
19.5994, 0.3127, 0.3290

Same Dimension

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



33.1371, 0.2173, 0.3021



59.8340, 0.2171, 0.3016



9.1812, 0.1700, 0.1316



10.6663, 0.2985, 0.3270



22.6000, 0.2173, 0.3024



0.9267, 0.2192, 0.3092

Inverse Universe

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



13.6825, 0.3436, 0.1667



24.7525, 0.3440, 0.1669



21.8264, 0.5161, 0.4281



9.6818, 0.3150, 0.3083



9.3112, 0.3433, 0.1665



0.3689, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 33.1359, 0.2173, 0.3021 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 33.1359, 0.2173, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

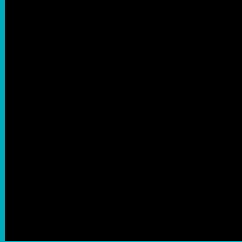
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1359, 0.2173, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 33.1359, 0.2173, 0.3021.

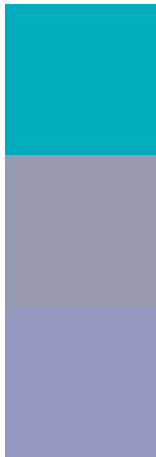


This preview shows how white text looks on a background with the Yxy color 33.1359, 0.2173, 0.3021.

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

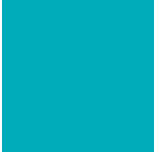
33.1423, 0.2173, 0.3021

Protanopia

32.8251, 0.2905, 0.2965

Deuteranopia

32.8860, 0.2766, 0.2706



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.1423, 0.2173, 0.3021



Protanomaly

31.2718, 0.2459, 0.2980



Deuteranomaly

31.0447, 0.2387, 0.2783



Tritanomaly

33.0929, 0.2177, 0.3037

Monochromacy



Original Color

33.1423, 0.2173, 0.3021



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.7760, 0.2499, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1359, 0.2173, 0.3021 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, 172, 188)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 188)  
}
```

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, 172, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.1359, 0.2173, 0.3021 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, 172, 188) }
```

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

```
.border{ border-color:rgb(1, 172, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 172, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 188);  
box-shadow:4px 4px 4px 4px rgb(1, 172,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1359, 0.2173, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 188) }
```

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

```
.background{ background-color: rgb(1, 172,  
188) }
```

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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