

Converting Colors

$Y_{xy}(25.1907, 0.0853, 0.2529)$

Have a look what the booklet for
Yxy(25.1907, 0.0853, 0.2529)
contains.

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Color

Yxy(34.5903, 0.2083, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	00ADD3
RGB	0, 173, 211
RGB Percent	0%, 68%, 83%
CMY	0.9990, 0.3216, 0.1725
CMYK	1.00, 0.18, 0.00, 0.17
HSL	191°, 100%, 41%
HSV	191°, 100%, 83%
XYZ	26.7056, 34.5903, 66.9113
YIQ	125.6050, -115.3060, -24.8580

Conversions

Conversions Part 2

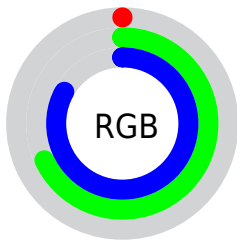
Format	Color
RYB	0, 95, 211
Decimal	44499
CIELab	65.43, -23.50, -29.64
CIELCh	65, 37.828, 231.594
Yxy	34.5903, 0.2083, 0.2698
Android (android.graphics.Color)	4278234579 (0xFF00ADD3)
YUV	125.6050, 42.0997, -110.1556
Hunter-Lab	58.8135, -21.8718, -26.2840

Details

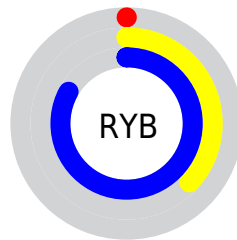
The Yxy color **34.5903, 0.2083, 0.2698** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.2573, 0.6220, 0.3442**, and the grayscale version is **20.6347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1422, 0.2322, 0.2973**, and **15.8332, 0.2038, 0.2538** is the 20% darker color. If you saturate the color by 10%, you get **34.5720, 0.2083, 0.2697**, and if you desaturate by 10%, it is **36.2343, 0.2116, 0.2762**.

Distribution



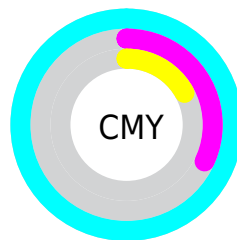
- Red (0%)
- Green (68%)
- Blue (83%)



- Red (0%)
- Yellow (37%)
- Blue (83%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)





- Cyan (100%)
- Magenta (32%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5903, 0.2083, 0.2698 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 34.5903, 0.2083, 0.2698 by changing the saturation by 10% instead.


 34.5903, 0.2083,
0.2698


 34.5903, 0.2083,
0.2698


322.7562, 0.2604,
0.3018


 23.3475, 0.1956,
0.2612


 66.8506, 0.2270,
0.2819

 14.8503, 0.1797,
0.2499


 88.6368, 0.2341,
0.2863


 8.7144, 0.1592,
0.2344


 114.7063, 0.2402,
0.2900

 4.5553, 0.1322,
0.2124

 145.4434, 0.2454,
0.2931

 1.9888, 0.0964,
0.1796

 181.2326, 0.2499,
0.2958

 0.6010, 0.0000,
0.1301

222.4582, 0.2538,

 0.0000, 0.0000,

0.2981

0.0000

269.5046, 0.2573,
0.3001

■ 34.5903, 0.2083,
0.2698

■ 34.5903, 0.2083,
0.2698

■ 34.5720, 0.2083,
0.2697

■ 36.2343, 0.2116,
0.2762

■ 38.0959, 0.2166,
0.2827

■ 40.2346, 0.2234,
0.2893

■ 42.6828, 0.2322,
0.2958

■ 45.4679, 0.2428,
0.3021

■ 48.6141, 0.2549,
0.3082

■ 52.1431, 0.2682,
0.3140

■ 56.0746, 0.2826,
0.3195

■ 60.4271, 0.2976,
0.3245

Harmonies

Analogous

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



34.5903, 0.2206, 0.3186



34.5903, 0.2083, 0.2698



34.5903, 0.2200, 0.2428

Triad

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



34.5903, 0.2083, 0.2698



34.5903, 0.3669, 0.2848



34.5903, 0.3660, 0.4348

Complementary

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



34.5903, 0.2083, 0.2698



15.2573, 0.6220, 0.3442

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.



34.5903, 0.4106, 0.4122



34.5903, 0.2083, 0.2698



34.5903, 0.4134, 0.3266

Square

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



34.5903, 0.2083, 0.2698



34.5903, 0.3073, 0.2535



34.5903, 0.4293, 0.3719



34.5903, 0.3094, 0.4241

Rectangle

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



34.5903, 0.2083, 0.2698



34.5903, 0.2406, 0.2374



34.5903, 0.4293, 0.3719



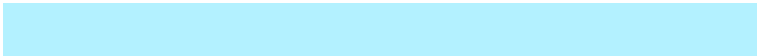
34.5903, 0.3829, 0.4302

Sweetspot

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



34.5915, 0.2083, 0.2698



79.7719, 0.2676, 0.3138



46.7251, 0.2961, 0.5860



16.5671, 0.2618, 0.3113



0.0000, 0.0000, 0.0000



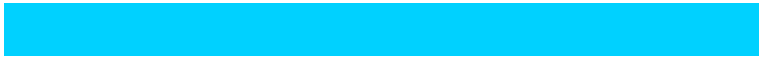
21.4041, 0.3127, 0.3290

Same Dimension

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



34.5915, 0.2083, 0.2698



52.8170, 0.2081, 0.2690



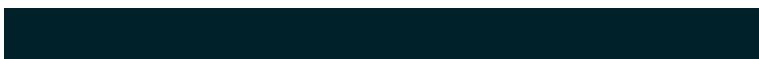
9.1507, 0.1630, 0.1066



13.0291, 0.2983, 0.3247



20.9966, 0.2085, 0.2707



1.2709, 0.2118, 0.2825

Inverse Universe

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



16.8748, 0.3730, 0.1829



25.8631, 0.3737, 0.1832



32.8342, 0.4939, 0.4460



11.9709, 0.3165, 0.3102



10.1909, 0.3722, 0.1824



0.5796, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 34.5903, 0.2083, 0.2698 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 34.5903, 0.2083, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

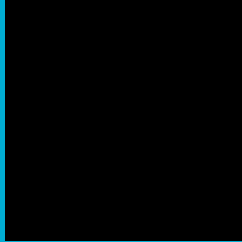
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5903, 0.2083, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 34.5903, 0.2083, 0.2698.



This preview shows how white text looks on a background with the Yxy color 34.5903, 0.2083, 0.2698.

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

34.5903, 0.2083, 0.2698

Protanopia

34.1035, 0.2692, 0.2682

Deuteranopia

34.3460, 0.2536, 0.2479



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



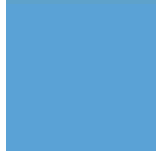
Original Color

34.5903, 0.2083, 0.2698



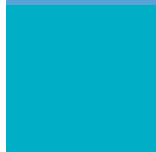
Protanomaly

32.5321, 0.2318, 0.2664



Deuteranomaly

32.8694, 0.2242, 0.2517



Tritanomaly

34.6912, 0.2148, 0.2933

Monochromacy



Original Color

34.5903, 0.2083, 0.2698



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.7847, 0.2449, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5903, 0.2083, 0.2698 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, 173, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 211)  
}
```

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, 173, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 211) }
```

Border

The CSS property to change the border of an element to Yxy 34.5903, 0.2083, 0.2698 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, 173, 211) }
```

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

```
.border{ border-color:rgb(0, 173, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 173, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5903, 0.2083, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 211) }
```

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

```
.background{ background-color: rgb(0, 173,  
211) }
```

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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