

Converting Colors

$Y_{xy}(30.5713, 0.1533, 0.2465)$

Have a look what the booklet for
Yxy(30.5713, 0.1533, 0.2465)
contains.

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Color

Yxy(35.2149, 0.2039, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	00ADDF
RGB	0, 173, 223
RGB Percent	0%, 68%, 87%
CMY	1.0000, 0.3215, 0.1255
CMYK	1.00, 0.22, 0.00, 0.13
HSL	193°, 100%, 44%
HSV	193°, 100%, 87%
XYZ	28.2578, 35.2149, 75.1140
YIQ	126.9730, -119.1580, -21.1260

Conversions

Conversions Part 2

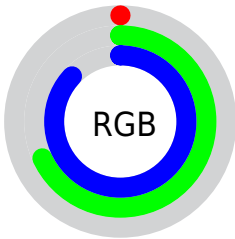
Format	Color
RYB	0, 97, 223
Decimal	44511
CIELab	65.92, -19.37, -35.49
CIELCh	66, 40.430, 241.367
Yxy	35.2149, 0.2039, 0.2541
Android (android.graphics.Color)	4278234591 (0xFF00ADDF)
YUV	126.9730, 47.3413, -111.3553
Hunter-Lab	59.3421, -18.8497, -33.5085

Details

The Yxy color **35.2149, 0.2039, 0.2541** 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 **17.9665, 0.6149, 0.3500**, and the grayscale version is **21.0809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3228, 0.2332, 0.2974**, and **16.5019, 0.1989, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **35.2186, 0.2039, 0.2541**, and if you desaturate by 10%, it is **37.3457, 0.2077, 0.2623**.

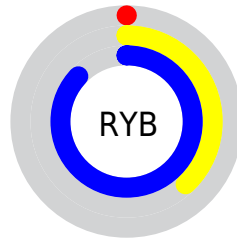
Distribution



Red (0%)

Green (68%)

Blue (87%)



Red (0%)

Yellow (38%)

Blue (87%)

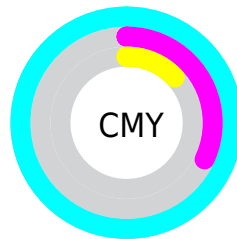


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (100%)


Magenta (32%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2149, 0.2039, 0.2541 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 35.2149, 0.2039, 0.2541 by changing the saturation by 10% instead.


 35.2149, 0.2039,
0.2541


 35.2149, 0.2039,
0.2541


325.5159, 0.2577,
0.2936

 23.8285, 0.1910,
0.2439


 67.8185, 0.2231,
0.2688


 15.2064, 0.1749,
0.2307


 89.8045, 0.2304,
0.2742


 8.9644, 0.1545,
0.2132


 116.0925, 0.2367,
0.2787

 4.7180, 0.1280,
0.1892

 147.0669, 0.2421,
0.2826

 2.0827, 0.0935,
0.1551

 183.1120, 0.2467,
0.2859

 0.6549, 0.0243,
0.1063

224.6123, 0.2508,

 0.0000, 0.0000,

0.2888

0.0000

271.9521, 0.2545,
0.2913

■ 35.2149, 0.2039,
0.2541

■ 35.2149, 0.2039,
0.2541

■ 35.2186, 0.2039,
0.2541

■ 37.3457, 0.2077,
0.2623

■ 39.7461, 0.2132,
0.2706

■ 42.4858, 0.2206,
0.2789

■ 45.6025, 0.2300,
0.2871

■ 49.1281, 0.2411,
0.2952

■ 53.0908, 0.2537,
0.3029

■ 57.5156, 0.2675,
0.3102

■ 62.4257, 0.2822,
0.3170

■ 67.8424, 0.2973,
0.3233

Harmonies

Analogous

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



35.2149, 0.2084, 0.2985



35.2149, 0.2039, 0.2541



35.2149, 0.2242, 0.2339

Triad

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



35.2149, 0.2039, 0.2541



35.2149, 0.3890, 0.2957



35.2149, 0.3497, 0.4425

Complementary

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



35.2149, 0.2039, 0.2541



17.9665, 0.6149, 0.3500

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.



35.2149, 0.4031, 0.4276



35.2149, 0.2039, 0.2541



35.2149, 0.4294, 0.3415

Square

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



35.2149, 0.2039, 0.2541



35.2149, 0.3275, 0.2585



35.2149, 0.4337, 0.3887



35.2149, 0.2893, 0.4182

Rectangle

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



35.2149, 0.2039, 0.2541



35.2149, 0.2506, 0.2333



35.2149, 0.4337, 0.3887



35.2149, 0.3691, 0.4413

Sweetspot

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



35.2186, 0.2039, 0.2541



77.8078, 0.2672, 0.3100



52.9875, 0.2941, 0.5788



16.0934, 0.2612, 0.3070



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.



35.2186, 0.2039, 0.2541



47.5368, 0.2038, 0.2535



8.9025, 0.1594, 0.0940



15.0239, 0.2982, 0.3236



20.8856, 0.2043, 0.2553



1.5773, 0.2078, 0.2680

Inverse Universe

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



18.7044, 0.3882, 0.1912



25.3300, 0.3888, 0.1915



40.7631, 0.4810, 0.4563



13.8803, 0.3172, 0.3110



11.0165, 0.3869, 0.1905



0.7767, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 35.2149, 0.2039, 0.2541 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 35.2149, 0.2039, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

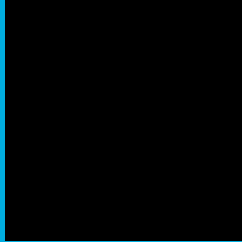
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2149, 0.2039, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 35.2149, 0.2039, 0.2541.



This preview shows how white text looks on a background with the Yxy color 35.2149, 0.2039, 0.2541.

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

35.2149, 0.2039, 0.2541

Protanopia

34.7464, 0.2587, 0.2545

Deuteranopia

35.0681, 0.2418, 0.2361



Tritanopia

35.2059, 0.2183, 0.3059

Trichromacy



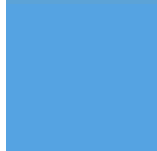
Original Color

35.2149, 0.2039, 0.2541



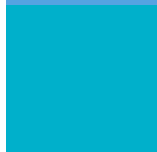
Protanomaly

33.3760, 0.2250, 0.2522



Deuteranomaly

33.6167, 0.2168, 0.2384



Tritanomaly

35.3625, 0.2128, 0.2861

Monochromacy



Original Color

35.2149, 0.2039, 0.2541



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.3045, 0.2425, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2149, 0.2039, 0.2541 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 223) }
```

Border

The CSS property to change the border of an element to Yxy 35.2149, 0.2039, 0.2541 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, 223) }
```

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

```
.border{ border-color:rgb(0, 173, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2149, 0.2039, 0.2541 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, 223) }
```

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

```
.background{ background-color: rgb(0, 173,  
223) }
```

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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