

Converting Colors

$Yxy(35.0816, 0.2052, 0.2587)$

Have a look what the booklet for
Yxy(35.0816, 0.2052, 0.2587)
contains.

Yxy(35.0544, 0.2050, 0.2579)	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(35.0544, 0.2050, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	00ADDC
RGB	0, 173, 220
RGB Percent	0%, 68%, 86%
CMY	0.9986, 0.3216, 0.1373
CMYK	1.00, 0.21, 0.00, 0.14
HSL	193°, 100%, 43%
HSV	193°, 100%, 86%
XYZ	27.8641, 35.0544, 73.0039
YIQ	126.6310, -118.1950, -22.0590

Conversions

Conversions Part 2

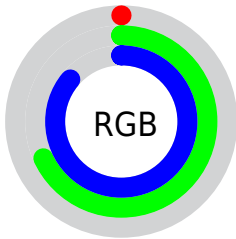
Format	Color
RYB	0, 97, 220
Decimal	44508
CIELab	65.79, -20.39, -34.03
CIELCh	66, 39.673, 239.066
Yxy	35.0544, 0.2050, 0.2579
Android (android.graphics.Color)	4278234588 (0xFF00ADDC)
YUV	126.6310, 46.0309, -111.0554
Hunter-Lab	59.2068, -19.6055, -31.6619

Details

The Yxy color **35.0544, 0.2050, 0.2579** 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 **17.2778, 0.6164, 0.3486**, and the grayscale version is **20.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2619, 0.2329, 0.2974**, and **16.3914, 0.2002, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **35.0235, 0.2049, 0.2578**, and if you desaturate by 10%, it is **37.0654, 0.2087, 0.2657**.

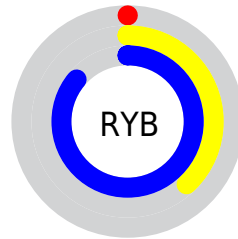
Distribution



Red (0%)

Green (68%)

Blue (86%)



Red (0%)

Yellow (38%)

Blue (86%)

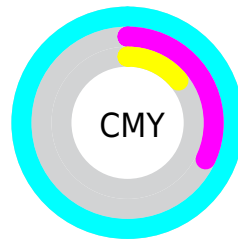


Cyan (100%)

Magenta (21%)

Yellow (0%)

Black (14%)



Cyan (100%)

Magenta (32%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0544, 0.2050, 0.2579 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 35.0544, 0.2050, 0.2579 by changing the saturation by 10% instead.


 35.0544, 0.2050,
0.2579


 35.0544, 0.2050,
0.2579

324.8084, 0.2584,
0.2956

 23.7048, 0.1922,
0.2481


 67.5700, 0.2241,
0.2720

 15.1148, 0.1761,
0.2353


 89.5048, 0.2314,
0.2771


 8.9000, 0.1556,
0.2183


 115.7368, 0.2376,
0.2815

 4.6760, 0.1290,
0.1946

 146.6504, 0.2429,
0.2852

 2.0584, 0.0942,
0.1607

 182.6300, 0.2475,
0.2883

 0.6411, 0.0194,
0.1115

224.0599, 0.2516,

 0.0000, 0.0000,

0.2911

0.0000

271.3245, 0.2552,
0.2935

■ 35.0544, 0.2050,
0.2579

■ 35.0544, 0.2050,
0.2579

■ 35.0235, 0.2049,
0.2578

■ 37.0654, 0.2087,
0.2657

■ 39.3358, 0.2141,
0.2735

■ 41.9296, 0.2214,
0.2815

■ 44.8832, 0.2307,
0.2893

■ 48.2271, 0.2417,
0.2969

■ 51.9884, 0.2542,
0.3042

■ 56.1913, 0.2679,
0.3112

■ 60.8580, 0.2825,
0.3177

■ 66.0090, 0.2976,
0.3236

Harmonies

Analogous

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



35.0544, 0.2114, 0.3034



35.0544, 0.2050, 0.2579



35.0544, 0.2232, 0.2361

Triad

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



35.0544, 0.2050, 0.2579



35.0544, 0.3835, 0.2930



35.0544, 0.3537, 0.4406

Complementary

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



35.0544, 0.2050, 0.2579



17.2778, 0.6164, 0.3486

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.



35.0544, 0.4050, 0.4237



35.0544, 0.2050, 0.2579



35.0544, 0.4255, 0.3378

Square

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



35.0544, 0.2050, 0.2579



35.0544, 0.3225, 0.2573



35.0544, 0.4326, 0.3845



35.0544, 0.2942, 0.4197

Rectangle

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



35.0544, 0.2050, 0.2579



35.0544, 0.2482, 0.2343



35.0544, 0.4326, 0.3845



35.0544, 0.3725, 0.4386

Sweetspot

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



35.0556, 0.2050, 0.2579



78.2609, 0.2673, 0.3109



51.3705, 0.2948, 0.5812



16.2025, 0.2614, 0.3080



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.



35.0556, 0.2050, 0.2579



48.7298, 0.2048, 0.2571



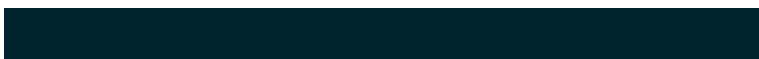
9.0954, 0.1606, 0.0982



14.3319, 0.2982, 0.3239



20.7242, 0.2053, 0.2590



1.4630, 0.2088, 0.2717

Inverse Universe

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



18.2399, 0.3844, 0.1892



25.4504, 0.3852, 0.1896



38.3619, 0.4851, 0.4529



13.2246, 0.3170, 0.3108



10.7159, 0.3834, 0.1886



0.7064, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 35.0544, 0.2050, 0.2579 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 35.0544, 0.2050, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

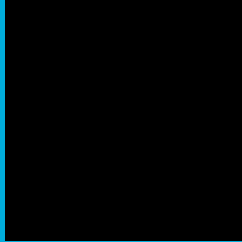
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0544, 0.2050, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 35.0544, 0.2050, 0.2579.

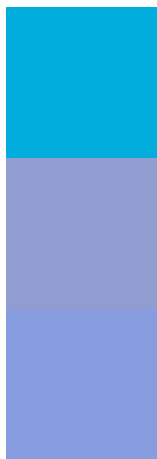


This preview shows how white text looks on a background with the Yxy color 35.0544, 0.2050, 0.2579.

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

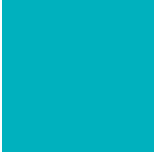
35.0544, 0.2050, 0.2579

Protanopia

34.6878, 0.2614, 0.2582

Deuteranopia

34.7300, 0.2447, 0.2383



Tritanopia

35.1620, 0.2187, 0.3075

Trichromacy



Original Color

35.0544, 0.2050, 0.2579



Protanomaly

33.2232, 0.2265, 0.2560



Deuteranomaly

33.5483, 0.2190, 0.2421



Tritanomaly

35.2677, 0.2136, 0.2890

Monochromacy



Original Color

35.0544, 0.2050, 0.2579



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.2691, 0.2432, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0544, 0.2050, 0.2579 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 220) }
```

Border

The CSS property to change the border of an element to Yxy 35.0544, 0.2050, 0.2579 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, 220) }
```

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

```
.border{ border-color:rgb(0, 173, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0544, 0.2050, 0.2579 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, 220) }
```

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

```
.background{ background-color: rgb(0, 173,  
220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor