

Converting Colors

$Y_{xy}(33.0498, 0.1675, 0.2264)$

Have a look what the booklet for
Yxy(33.0498, 0.1675, 0.2264)
contains.

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Color

Yxy(36.2380, 0.1980, 0.2328)

Conversions

Conversions Part 1

Format	Color
Hex	00ADF1
RGB	0, 173, 241
RGB Percent	0%, 68%, 95%
CMY	1.0000, 0.3216, 0.0548
CMYK	1.00, 0.28, 0.00, 0.05
HSL	197°, 100%, 47%
HSV	197°, 100%, 95%
XYZ	30.8210, 36.2380, 88.6025
YIQ	129.0250, -124.9360, -15.5280

Conversions

Conversions Part 2

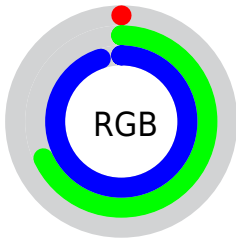
Format	Color
R _{YB}	0, 101, 241
Decimal	44529
CIE Lab	66.70, -12.96, -44.13
CIE LCh	67, 45.996, 253.633
Yxy	36.2380, 0.1980, 0.2328
Android (android.graphics.Color)	4278234609 (0xFF00ADF1)
YUV	129.0250, 55.2037, -113.1549
Hunter-Lab	60.1980, -13.9557, -45.1275

Details

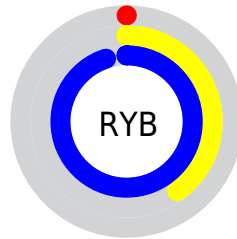
The Yxy color **36.2380, 0.1980, 0.2328** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **22.8400, 0.6032, 0.3592**, and the grayscale version is **21.7995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9580, 0.2340, 0.2962**, and **17.1775, 0.1921, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **36.2400, 0.1980, 0.2328**, and if you desaturate by 10%, it is **39.1108, 0.2025, 0.2433**.

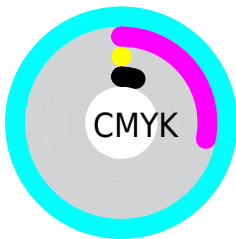
Distribution



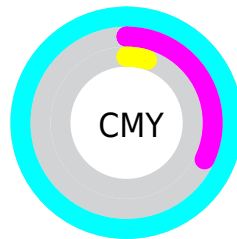
- Red (0%)
- Green (68%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (32%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2380, 0.1980, 0.2328 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 36.2380, 0.1980, 0.2328 by changing the saturation by 10% instead.

 36.2380, 0.1980,
0.2328


 36.2380, 0.1980,
0.2328


329.9996, 0.2540,
0.2817

 24.6181, 0.1849,
0.2208


 69.3993, 0.2178,
0.2505


 15.7927, 0.1687,
0.2057


 91.7094, 0.2254,
0.2572


 9.3776, 0.1485,
0.1863

 118.3517, 0.2319,
0.2628

 4.9883, 0.1228,
0.1608

 149.7105, 0.2375,
0.2677

 2.2404, 0.0903,
0.1269

 186.1703, 0.2424,
0.2719

 0.7419, 0.0432,
0.0825

228.1155, 0.2468,

 0.0000, 0.0000,

0.2756

0.0000

275.9305, 0.2506,
0.2788

■ 36.2380, 0.1980,
0.2328

■ 36.2380, 0.1980,
0.2328

■ 36.2400, 0.1980,
0.2328

■ 39.1108, 0.2025,
0.2433

■ 42.3588, 0.2087,
0.2541

■ 46.0616, 0.2170,
0.2648

■ 50.2661, 0.2272,
0.2755

■ 55.0121, 0.2391,
0.2859

■ 60.3343, 0.2524,
0.2958

■ 66.2641, 0.2668,
0.3051

■ 72.8304, 0.2818,
0.3138

■ 80.0597, 0.2972,
0.3218

Harmonies

Analogous

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



36.2380, 0.1915, 0.2704



36.2380, 0.1980, 0.2328



36.2380, 0.2307, 0.2219

Triad

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



36.2380, 0.1980, 0.2328



36.2380, 0.4216, 0.3112



36.2380, 0.3253, 0.4527

Complementary

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



36.2380, 0.1980, 0.2328



22.8400, 0.6032, 0.3592

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.



36.2380, 0.3905, 0.4507



36.2380, 0.1980, 0.2328



36.2380, 0.4511, 0.3631

Square

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



36.2380, 0.1980, 0.2328



36.2380, 0.3585, 0.2658



36.2380, 0.4378, 0.4138



36.2380, 0.2602, 0.4069

Rectangle

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



36.2380, 0.1980, 0.2328



36.2380, 0.2662, 0.2277



36.2380, 0.4378, 0.4138



36.2380, 0.3479, 0.4573

Sweetspot

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



36.2400, 0.1980, 0.2328



75.2554, 0.2666, 0.3050



63.2945, 0.2916, 0.5698



15.4797, 0.2605, 0.3012



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.



36.2400, 0.1980, 0.2328



41.1030, 0.1979, 0.2325



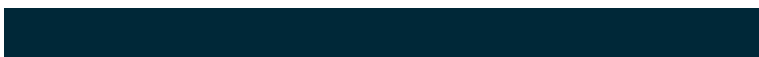
9.2034, 0.1565, 0.0832



17.1310, 0.2981, 0.3222



19.8890, 0.1985, 0.2345



1.8223, 0.2024, 0.2485

Inverse Universe

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



21.7211, 0.4097, 0.2031



24.6805, 0.4100, 0.2032



53.3100, 0.4686, 0.4662



15.9509, 0.3181, 0.3122



11.8012, 0.4079, 0.2021



0.9987, 0.3938, 0.1943

Previews

White Background



This preview shows how the Yxy color 36.2380, 0.1980, 0.2328 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 36.2380, 0.1980, 0.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

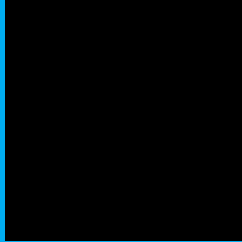
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

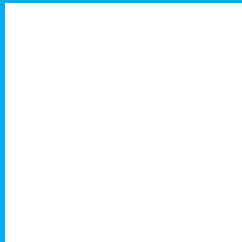
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2380, 0.1980, 0.2328

Background



This preview shows how black text looks on a background with the Yxy color 36.2380, 0.1980, 0.2328.



This preview shows how white text looks on a background with the Yxy color 36.2380, 0.1980, 0.2328.

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

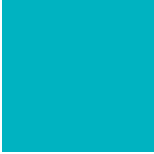
36.2380, 0.1980, 0.2328

Protanopia

35.9424, 0.2443, 0.2361

Deuteranopia

36.1590, 0.2264, 0.2207



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



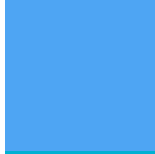
Original Color

36.2380, 0.1980, 0.2328



Protanomaly

34.5088, 0.2154, 0.2323



Deuteranomaly

35.0010, 0.2080, 0.2221



Tritanomaly

36.0974, 0.2105, 0.2778

Monochromacy



Original Color

36.2380, 0.1980, 0.2328



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.9469, 0.2383, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2380, 0.1980, 0.2328 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, 241)` looks like.

```
.text, #text, p{  
  color:rgb(0, 173, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 241) }
```

Border

The CSS property to change the border of an element to Yxy 36.2380, 0.1980, 0.2328 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, 241) }
```

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

```
.border{ border-color:rgb(0, 173, 241) }
```

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, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2380, 0.1980, 0.2328 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, 241) }
```

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

```
.background{ background-color: rgb(0, 173,  
241) }
```

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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