

Converting Colors

$Y_{xy}(36.1096, 0.2002, 0.2405)$

Have a look what the booklet for
Yxy(36.1096, 0.2002, 0.2405)
contains.

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Color

Yxy(36.2767, 0.2004, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	01AEEB
RGB	1, 174, 235
RGB Percent	0%, 68%, 92%
CMY	0.9956, 0.3176, 0.0786
CMYK	1.00, 0.26, 0.00, 0.08
HSL	196°, 99%, 46%
HSV	196°, 100%, 92%
XYZ	30.1403, 36.2767, 83.9839
YIQ	129.2270, -122.6890, -17.7050

Conversions

Conversions Part 2

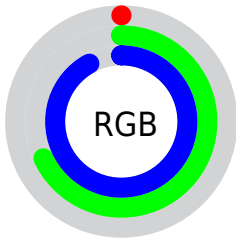
Format	Color
RYB	1, 100, 235
Decimal	110315
CIELab	66.73, -15.64, -40.78
CIELCh	67, 43.674, 249.022
Yxy	36.2767, 0.2004, 0.2412
Android (android.graphics.Color)	4278300395 (0xFF01AEEB)
YUV	129.2270, 52.1461, -112.4551
Hunter-Lab	60.2301, -16.0779, -40.5119

Details

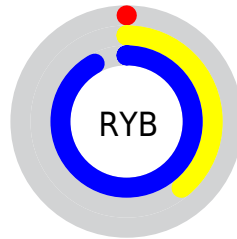
The Yxy color **36.2767, 0.2004, 0.2412** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.1122, 0.6067, 0.3560**, and the grayscale version is **21.8955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4468, 0.2339, 0.2975**, and **17.1737, 0.1949, 0.2218** is the 20% darker color. If you saturate the color by 10%, you get **36.1583, 0.2002, 0.2407**, and if you desaturate by 10%, it is **38.8935, 0.2047, 0.2509**.

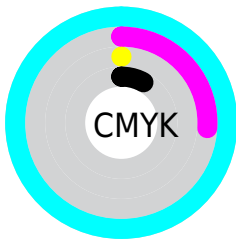
Distribution



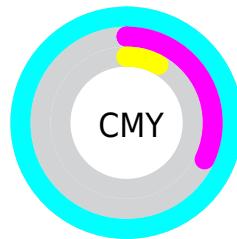
- Red (0%)
- Green (68%)
- Blue (92%)



- Red (0%)
- Yellow (39%)
- Blue (92%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (32%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2767, 0.2004, 0.2412 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 36.2767, 0.2004, 0.2412 by changing the saturation by 10% instead.


 36.2767, 0.2004,
0.2412


 36.2767, 0.2004,
0.2412


330.1683, 0.2554,
0.2864


 24.6480, 0.1874,
0.2299


 69.4589, 0.2199,
0.2577


 15.8150, 0.1714,
0.2156


 91.7812, 0.2274,
0.2639

 9.3933, 0.1512,
0.1970

 118.4368, 0.2338,
0.2691

 4.9986, 0.1254,
0.1721

 149.8101, 0.2393,
0.2736

 2.2464, 0.0924,
0.1382

 186.2856, 0.2441,
0.2774

 0.7451, 0.0407,
0.0928

228.2475, 0.2483,

 0.0000, 0.0000,

0.2808

0.0000

276.0803, 0.2521,
0.2837

■ 36.2767, 0.2004,
0.2412

■ 36.2767, 0.2004,
0.2412

■ 36.1583, 0.2002,
0.2407

■ 38.8935, 0.2047,
0.2509

■ 41.8531, 0.2107,
0.2607

■ 45.2258, 0.2187,
0.2705

■ 49.0546, 0.2287,
0.2803

■ 53.3763, 0.2404,
0.2898

■ 58.2230, 0.2535,
0.2988

■ 63.6238, 0.2677,
0.3074

■ 69.6052, 0.2827,
0.3154

■ 76.1918, 0.2980,
0.3227

Harmonies

Analogous

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



36.2767, 0.1982, 0.2815



36.2767, 0.2004, 0.2412



36.2767, 0.2281, 0.2267

Triad

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



36.2767, 0.2004, 0.2412



36.2767, 0.4084, 0.3050



36.2767, 0.3352, 0.4486

Complementary

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



36.2767, 0.2004, 0.2412



21.1122, 0.6067, 0.3560

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.



36.2767, 0.3957, 0.4412



36.2767, 0.2004, 0.2412



36.2767, 0.4425, 0.3545

Square

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



36.2767, 0.2004, 0.2412



36.2767, 0.3459, 0.2630



36.2767, 0.4363, 0.4036



36.2767, 0.2718, 0.4117

Rectangle

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



36.2767, 0.2004, 0.2412



36.2767, 0.2599, 0.2300



36.2767, 0.4363, 0.4036



36.2767, 0.3565, 0.4508

Sweetspot

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



36.2779, 0.2004, 0.2412



76.1942, 0.2668, 0.3069



59.7259, 0.2924, 0.5722



15.7052, 0.2607, 0.3033



0.0000, 0.0000, 0.0000



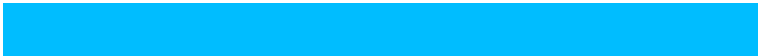
21.4041, 0.3127, 0.3290

Same Dimension

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



36.2779, 0.2004, 0.2412



43.4121, 0.2001, 0.2403



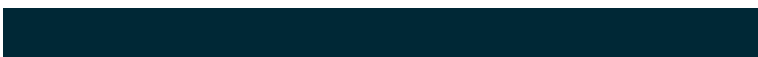
9.1911, 0.1577, 0.0873



16.4187, 0.2981, 0.3227



20.3482, 0.2006, 0.2423



1.7523, 0.2044, 0.2557

Inverse Universe

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



20.7368, 0.4011, 0.1985



24.9136, 0.4020, 0.1988



48.9071, 0.4722, 0.4630



15.2428, 0.3178, 0.3117



11.5470, 0.4000, 0.1977



0.9223, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 36.2767, 0.2004, 0.2412 looks on a white background.

Color Contrast Check

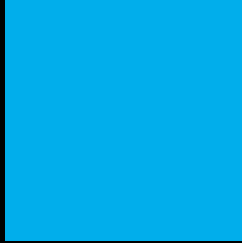
Large Text (above 18pt) WCAG AA × Fail

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 36.2767, 0.2004, 0.2412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

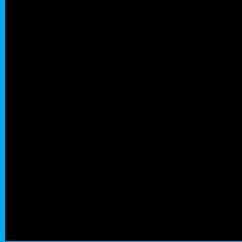
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.2767, 0.2004, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 36.2767, 0.2004, 0.2412.

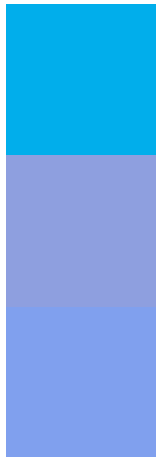


This preview shows how white text looks on a background with the Yxy color 36.2767, 0.2004, 0.2412.

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

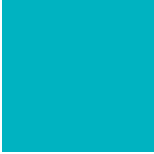
36.2767, 0.2004, 0.2412

Protanopia

35.8748, 0.2499, 0.2432

Deuteranopia

35.9039, 0.2326, 0.2263



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.2767, 0.2004, 0.2412



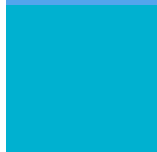
Protanomaly

34.3211, 0.2193, 0.2393



Deuteranomaly

34.8185, 0.2117, 0.2288



Tritanomaly

35.9983, 0.2113, 0.2806

Monochromacy



Original Color

36.2767, 0.2004, 0.2412



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.8718, 0.2395, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2767, 0.2004, 0.2412 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, 174, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 235)  
}
```

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, 174, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 235) }
```

Border

The CSS property to change the border of an element to Yxy 36.2767, 0.2004, 0.2412 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, 174, 235) }
```

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

```
.border{ border-color:rgb(1, 174, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2767, 0.2004, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 235) }
```

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

```
.background{ background-color: rgb(1, 174,  
235) }
```

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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