

Converting Colors

$Y_{xy}(34.9020, 0.1782, 0.2370)$

Have a look what the booklet for
Yxy(34.9020, 0.1782, 0.2370)
contains.

Yxy(37.2237, 0.2002, 0.2407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2237, 0.2002, 0.2407)

Conversions

Conversions Part 1

Format	Color
Hex	00B0EE
RGB	0, 176, 238
RGB Percent	0%, 69%, 93%
CMY	1.0000, 0.3098, 0.0666
CMYK	1.00, 0.26, 0.00, 0.07
HSL	196°, 100%, 47%
HSV	196°, 100%, 93%
XYZ	30.9605, 37.2237, 86.4635
YIQ	130.4440, -124.7980, -18.0300

Conversions

Conversions Part 2

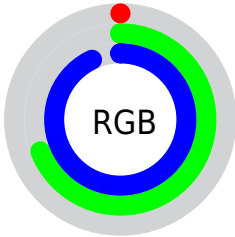
Format	Color
RYB	0, 101, 238
Decimal	45294
CIELab	67.44, -15.65, -41.34
CIELCh	67, 44.198, 249.266
Yxy	37.2237, 0.2002, 0.2407
Android (android.graphics.Color)	4278235374 (0xFF00B0EE)
YUV	130.4440, 53.0251, -114.3994
Hunter-Lab	61.0112, -16.1889, -41.3164

Details

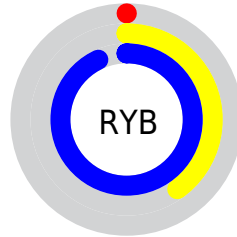
The Yxy color **37.2237, 0.2002, 0.2407** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.6306, 0.6080, 0.3555**, and the grayscale version is **22.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1844, 0.2351, 0.3012**, and **17.7927, 0.1949, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **37.2251, 0.2002, 0.2407**, and if you desaturate by 10%, it is **39.9053, 0.2044, 0.2504**.

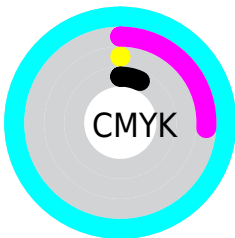
Distribution



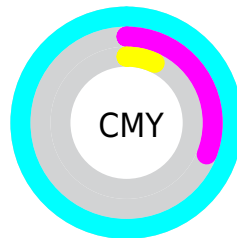
- Red (0%)
- Green (69%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2237, 0.2002, 0.2407 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 37.2237, 0.2002, 0.2407 by changing the saturation by 10% instead.


 37.2237, 0.2002,
0.2407


 37.2237, 0.2002,
0.2407


334.2780, 0.2550,
0.2859


 25.3807, 0.1874,
0.2295


 70.9167, 0.2196,
0.2572


 16.3609, 0.1715,
0.2153


 93.5355, 0.2270,
0.2633


 9.7799, 0.1515,
0.1969


 120.5151, 0.2334,
0.2686

 5.2533, 0.1261,
0.1724

 152.2398, 0.2389,
0.2730

 2.3966, 0.0937,
0.1392

 189.0941, 0.2437,
0.2769

 0.8242, 0.0463,
0.0951

231.4623, 0.2479,

 0.0000, 0.0000,

0.2803

0.0000

279.7288, 0.2517,
0.2833

■ 37.2237, 0.2002,
0.2407

■ 37.2237, 0.2002,
0.2407

■ 37.2251, 0.2002,
0.2407

■ 39.9053, 0.2044,
0.2504

■ 42.9333, 0.2103,
0.2602

■ 46.3846, 0.2183,
0.2700

■ 50.3042, 0.2282,
0.2798

■ 54.7301, 0.2398,
0.2893

■ 59.6958, 0.2529,
0.2984

■ 65.2314, 0.2670,
0.3070

■ 71.3643, 0.2819,
0.3150

■ 78.1202, 0.2973,
0.3223

Harmonies

Analogous

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



37.2237, 0.1978, 0.2809



37.2237, 0.2002, 0.2407



37.2237, 0.2282, 0.2264

Triad

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



37.2237, 0.2002, 0.2407



37.2237, 0.4091, 0.3053



37.2237, 0.3347, 0.4489

Complementary

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



37.2237, 0.2002, 0.2407



21.6306, 0.6080, 0.3555

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.



37.2237, 0.3955, 0.4418



37.2237, 0.2002, 0.2407



37.2237, 0.4431, 0.3549

Square

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



37.2237, 0.2002, 0.2407



37.2237, 0.3465, 0.2631



37.2237, 0.4365, 0.4042



37.2237, 0.2712, 0.4116

Rectangle

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



37.2237, 0.2002, 0.2407



37.2237, 0.2602, 0.2298



37.2237, 0.4365, 0.4042



37.2237, 0.3561, 0.4512

Sweetspot

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



37.2251, 0.2002, 0.2407



76.1977, 0.2669, 0.3069



61.4870, 0.2925, 0.5731



15.7060, 0.2607, 0.3033



0.0000, 0.0000, 0.0000



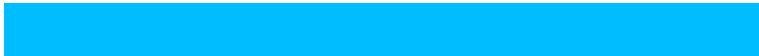
21.4041, 0.3127, 0.3290

Same Dimension

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



37.2251, 0.2002, 0.2407



43.4208, 0.2001, 0.2404



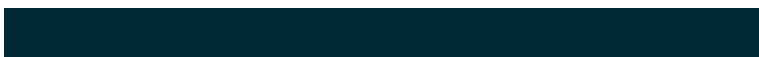
9.3551, 0.1574, 0.0865



17.1911, 0.2981, 0.3227



20.9831, 0.2006, 0.2422



1.9058, 0.2042, 0.2550

Inverse Universe

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



21.3167, 0.4016, 0.1986



24.9145, 0.4019, 0.1988



50.2309, 0.4727, 0.4629



15.9570, 0.3178, 0.3117



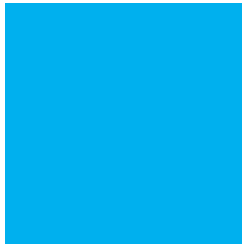
11.9116, 0.4000, 0.1977



1.0071, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 37.2237, 0.2002, 0.2407 looks on a white background.

Color Contrast Check

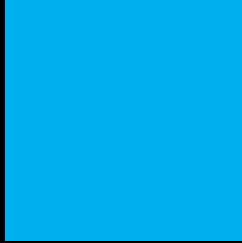
Large Text (above 18pt) WCAG AA × Fail

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 37.2237, 0.2002, 0.2407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

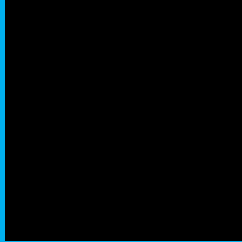
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2237, 0.2002, 0.2407

Background



This preview shows how black text looks on a background with the Yxy color 37.2237, 0.2002, 0.2407.

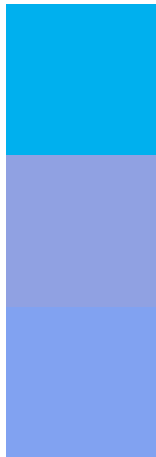


This preview shows how white text looks on a background with the Yxy color 37.2237, 0.2002, 0.2407.

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

37.2237, 0.2002, 0.2407

Protanopia

36.9100, 0.2499, 0.2429

Deuteranopia

36.8587, 0.2321, 0.2261



Tritanopia

36.9879, 0.2184, 0.3063

Trichromacy



Original Color

37.2237, 0.2002, 0.2407



Protanomaly

35.2609, 0.2191, 0.2390



Deuteranomaly

35.7225, 0.2112, 0.2285



Tritanomaly

36.9433, 0.2110, 0.2796

Monochromacy



Original Color

37.2237, 0.2002, 0.2407



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.5710, 0.2402, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2237, 0.2002, 0.2407 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, 176, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 238)  
}
```

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, 176, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 238) }
```

Border

The CSS property to change the border of an element to Yxy 37.2237, 0.2002, 0.2407 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, 176, 238) }
```

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

```
.border{ border-color:rgb(0, 176, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2237, 0.2002, 0.2407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 238) }
```

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

```
.background{ background-color: rgb(0, 176,  
238) }
```

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