

Converting Colors

$Yxy(31.4074, 0.1399, 0.2377)$

Have a look what the booklet for
Yxy(31.4074, 0.1399, 0.2377)
contains.

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Color

Yxy(37.7240, 0.2027, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	01B2E9
RGB	1, 178, 233
RGB Percent	0%, 70%, 91%
CMY	0.9980, 0.3020, 0.0862
CMYK	1.00, 0.24, 0.00, 0.09
HSL	194°, 100%, 46%
HSV	194°, 100%, 91%
XYZ	30.6356, 37.7240, 82.7782
YIQ	131.3470, -123.1470, -20.4190

Conversions

Conversions Part 2

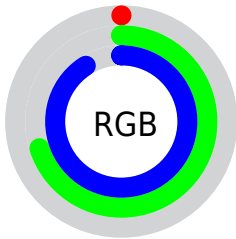
Format	Color
R_{YB}	1, 101, 233
Decimal	111337
CIE _{Lab}	67.82, -18.46, -38.02
CIE _{LCh}	68, 42.268, 244.106
Yxy	37.7240, 0.2027, 0.2496
Android (android.graphics.Color)	4278301417 (0xFF01B2E9)
YUV	131.3470, 50.1149, -114.3143
Hunter-Lab	61.4199, -18.4507, -36.9138

Details

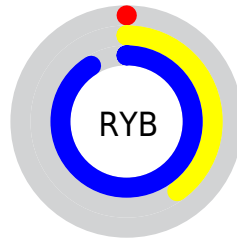
The Yxy color **37.7240, 0.2027, 0.2496** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.1137, 0.6123, 0.3518**, and the grayscale version is **22.6212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2538, 0.2353, 0.3037**, and **17.8416, 0.1974, 0.2307** is the 20% darker color. If you saturate the color by 10%, you get **37.6745, 0.2026, 0.2494**, and if you desaturate by 10%, it is **40.1530, 0.2066, 0.2583**.

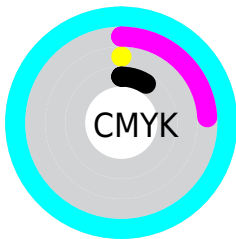
Distribution



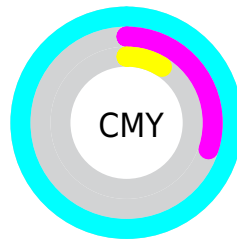
- Red (0%)
- Green (70%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (30%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7240, 0.2027, 0.2496 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 37.7240, 0.2027, 0.2496 by changing the saturation by 10% instead.


 37.7240, 0.2027,
0.2496


 37.7240, 0.2027,
0.2496


336.4345, 0.2564,
0.2907

 25.7685, 0.1901,
0.2392


 71.6849, 0.2217,
0.2647

 16.6506, 0.1744,
0.2260


 94.4591, 0.2290,
0.2703


 9.9857, 0.1547,
0.2087


 121.6084, 0.2352,
0.2751

 5.3895, 0.1293,
0.1853

 153.5172, 0.2406,
0.2791

 2.4775, 0.0968,
0.1528

 190.5698, 0.2453,
0.2826

 0.8654, 0.0467,
0.1086

233.1506, 0.2494,

 0.0000, 0.0000,

0.2856

0.0000

281.6440, 0.2531,
0.2883

■ 37.7240, 0.2027,
0.2496

■ 37.7240, 0.2027,
0.2496

■ 37.6745, 0.2026,
0.2494

■ 40.1530, 0.2066,
0.2583

■ 42.8966, 0.2123,
0.2671

■ 46.0258, 0.2199,
0.2760

■ 49.5830, 0.2295,
0.2848

■ 53.6036, 0.2409,
0.2933

■ 58.1191, 0.2537,
0.3015

■ 63.1576, 0.2676,
0.3092

■ 68.7449, 0.2824,
0.3165

■ 74.9049, 0.2976,
0.3231

Harmonies

Analogous

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



37.7240, 0.2049, 0.2926



37.7240, 0.2027, 0.2496



37.7240, 0.2255, 0.2314

Triad

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



37.7240, 0.2027, 0.2496



37.7240, 0.3956, 0.2989



37.7240, 0.3447, 0.4446

Complementary

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



37.7240, 0.2027, 0.2496



20.1137, 0.6123, 0.3518

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.



37.7240, 0.4006, 0.4322



37.7240, 0.2027, 0.2496



37.7240, 0.4339, 0.3460

Square

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



37.7240, 0.2027, 0.2496



37.7240, 0.3338, 0.2601



37.7240, 0.4346, 0.3938



37.7240, 0.2833, 0.4161

Rectangle

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



37.7240, 0.2027, 0.2496



37.7240, 0.2538, 0.2321



37.7240, 0.4346, 0.3938



37.7240, 0.3648, 0.4445

Sweetspot

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



37.7253, 0.2027, 0.2496



77.2505, 0.2671, 0.3090



58.5708, 0.2933, 0.5758



15.9592, 0.2611, 0.3057



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.



37.7253, 0.2027, 0.2496



46.0902, 0.2025, 0.2490



9.3891, 0.1585, 0.0904



16.4824, 0.2981, 0.3233



21.5716, 0.2030, 0.2508



1.8394, 0.2064, 0.2629

Inverse Universe

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



20.5534, 0.3926, 0.1937



25.1840, 0.3932, 0.1940



46.4637, 0.4766, 0.4596



15.2492, 0.3174, 0.3112



11.6705, 0.3915, 0.1930



0.9311, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 37.7240, 0.2027, 0.2496 looks on a white background.

Color Contrast Check

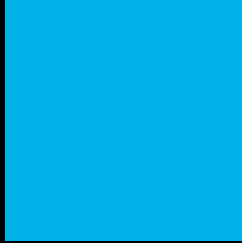
Large Text (above 18pt) WCAG AA × Fail

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 37.7240, 0.2027, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

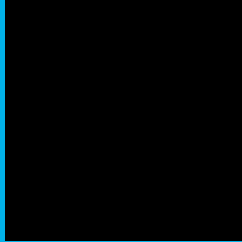
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7240, 0.2027, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 37.7240, 0.2027, 0.2496.



This preview shows how white text looks on a background with the Yxy color 37.7240, 0.2027, 0.2496.

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

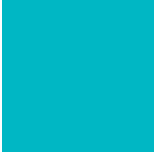
37.7304, 0.2027, 0.2497

Protanopia

37.2642, 0.2553, 0.2503

Deuteranopia

37.5431, 0.2387, 0.2326



Tritanopia

37.8525, 0.2189, 0.3081

Trichromacy



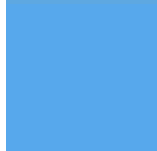
Original Color

37.7304, 0.2027, 0.2497



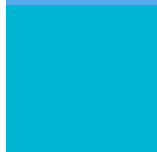
Protanomaly

35.8212, 0.2229, 0.2479



Deuteranomaly

36.0876, 0.2151, 0.2347



Tritanomaly

37.6512, 0.2127, 0.2857

Monochromacy



Original Color

37.7304, 0.2027, 0.2497



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.8918, 0.2419, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7240, 0.2027, 0.2496 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, 178, 233)` looks like.

```
.text, #text, p{  
  color:rgb(1, 178, 233)  
}
```

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, 178, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 233) }
```

Border

The CSS property to change the border of an element to Yxy 37.7240, 0.2027, 0.2496 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, 178, 233) }
```

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

```
.border{ border-color:rgb(1, 178, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 178, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 233);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7240, 0.2027, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 233) }
```

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

```
.background{ background-color: rgb(1, 178,  
233) }
```

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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