

Converting Colors

$Yxy(37.3636, 0.1988, 0.2355)$

Have a look what the booklet for
Yxy(37.3636, 0.1988, 0.2355)
contains.

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Color

Yxy(37.4679, 0.1990, 0.2362)

Conversions

Conversions Part 1

Format	Color
Hex	01B0F2
RGB	1, 176, 242
RGB Percent	0%, 69%, 95%
CMY	0.9962, 0.3098, 0.0509
CMYK	1.00, 0.27, 0.00, 0.05
HSL	196°, 99%, 48%
HSV	196°, 100%, 95%
XYZ	31.5669, 37.4679, 89.5930
YIQ	131.1990, -125.4860, -16.5740

Conversions

Conversions Part 2

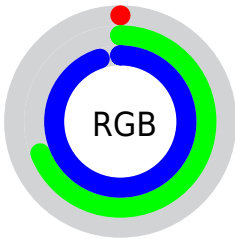
Format	Color
R _Y B	1, 102, 242
Decimal	110834
CIE Lab	67.63, -14.20, -43.23
CIE LCh	68, 45.502, 251.816
Yxy	37.4679, 0.1990, 0.2362
Android (android.graphics.Color)	4278300914 (0xFF01B0F2)
YUV	131.1990, 54.6249, -114.1845
Hunter-Lab	61.2110, -15.0656, -43.9335

Details

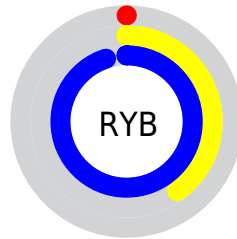
The Yxy color **37.4679, 0.1990, 0.2362** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **22.8967, 0.6042, 0.3581**, and the grayscale version is **22.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2482, 0.2354, 0.3012**, and **17.9605, 0.1934, 0.2161** is the 20% darker color. If you saturate the color by 10%, you get **37.3601, 0.1988, 0.2358**, and if you desaturate by 10%, it is **40.3351, 0.2034, 0.2464**.

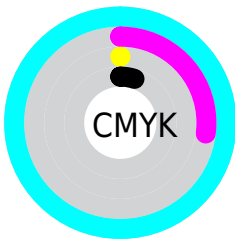
Distribution



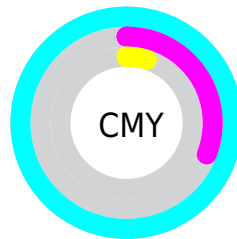
- Red (0%)
- Green (69%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4679, 0.1990, 0.2362 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 37.4679, 0.1990, 0.2362 by changing the saturation by 10% instead.

37.4679, 0.1990,
0.2362

37.4679, 0.1990,
0.2362

335.3319, 0.2543,
0.2833

25.5700, 0.1861,
0.2246

71.2918, 0.2185,
0.2533

16.5022, 0.1702,
0.2101

93.9866, 0.2260,
0.2597

9.8802, 0.1503,
0.1913

121.0492, 0.2324,
0.2652

5.3196, 0.1251,
0.1666

152.8638, 0.2380,
0.2698

2.4360, 0.0931,
0.1335

189.8151, 0.2428,
0.2739

0.8443, 0.0487,
0.0902

232.2872, 0.2471,

0.0000, 0.0000,

0.2774

0.0000

280.6647, 0.2509,
0.2806

■ 37.4679, 0.1990,
0.2362

■ 37.4679, 0.1990,
0.2362

■ 37.3601, 0.1988,
0.2358

■ 40.3351, 0.2034,
0.2464

■ 43.5806, 0.2096,
0.2568

■ 47.2799, 0.2178,
0.2672

■ 51.4797, 0.2280,
0.2775

■ 56.2199, 0.2398,
0.2875

■ 61.5352, 0.2531,
0.2971

■ 67.4573, 0.2674,
0.3062

■ 74.0148, 0.2825,
0.3146

■ 81.2344, 0.2979,
0.3223

Harmonies

Analogous

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



37.4679, 0.1943, 0.2749



37.4679, 0.1990, 0.2362



37.4679, 0.2297, 0.2238

Triad

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



37.4679, 0.1990, 0.2362



37.4679, 0.4162, 0.3087



37.4679, 0.3293, 0.4510

Complementary

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



37.4679, 0.1990, 0.2362



22.8967, 0.6042, 0.3581

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.



37.4679, 0.3926, 0.4468



37.4679, 0.1990, 0.2362



37.4679, 0.4476, 0.3596

Square

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



37.4679, 0.1990, 0.2362



37.4679, 0.3534, 0.2647



37.4679, 0.4372, 0.4097



37.4679, 0.2649, 0.4089

Rectangle

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



37.4679, 0.1990, 0.2362



37.4679, 0.2636, 0.2286



37.4679, 0.4372, 0.4097



37.4679, 0.3514, 0.4546

Sweetspot

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



37.4691, 0.1990, 0.2362



75.6167, 0.2667, 0.3058



63.9109, 0.2915, 0.5691



15.5664, 0.2606, 0.3020



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.



37.4691, 0.1990, 0.2362



41.9836, 0.1988, 0.2355



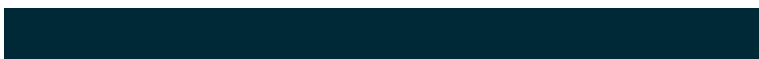
9.3655, 0.1567, 0.0838



17.1541, 0.2981, 0.3224



20.3048, 0.1993, 0.2375



1.8541, 0.2031, 0.2510

Inverse Universe

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



22.0374, 0.4062, 0.2013



24.7694, 0.4069, 0.2015



53.9083, 0.4682, 0.4662



15.9532, 0.3180, 0.3120



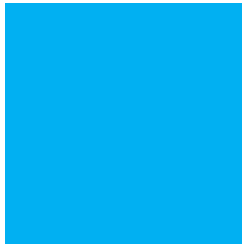
11.8431, 0.4049, 0.2004



1.0019, 0.3912, 0.1929

Previews

White Background



This preview shows how the Yxy color 37.4679, 0.1990, 0.2362 looks on a white background.

Color Contrast Check

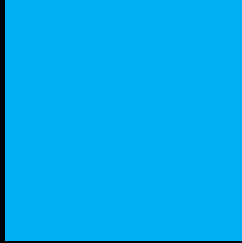
Large Text (above 18pt) WCAG AA × Fail

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 37.4679, 0.1990, 0.2362 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

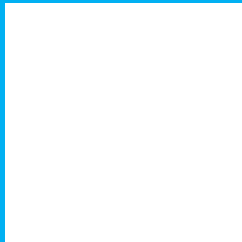
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4679, 0.1990, 0.2362

Background



This preview shows how black text looks on a background with the Yxy color 37.4679, 0.1990, 0.2362.



This preview shows how white text looks on a background with the Yxy color 37.4679, 0.1990, 0.2362.

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

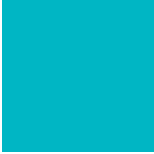
37.4679, 0.1990, 0.2362

Protanopia

36.9537, 0.2462, 0.2382

Deuteranopia

37.2226, 0.2287, 0.2229



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.4679, 0.1990, 0.2362



Protanomaly

35.4371, 0.2170, 0.2344



Deuteranomaly

36.2862, 0.2097, 0.2256



Tritanomaly

37.4466, 0.2107, 0.2785

Monochromacy



Original Color

37.4679, 0.1990, 0.2362



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.6925, 0.2396, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4679, 0.1990, 0.2362 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, 176, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 176, 242)  
}
```

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, 176, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 176, 242) }
```

Border

The CSS property to change the border of an element to Yxy 37.4679, 0.1990, 0.2362 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, 176, 242) }
```

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

```
.border{ border-color:rgb(1, 176, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 176, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 176, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 176, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 176,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4679, 0.1990, 0.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 176, 242) }
```

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

```
.background{ background-color: rgb(1, 176,  
242) }
```

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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