

Converting Colors

$Y_{xy}(37.7046, 0.1982, 0.2274)$

Have a look what the booklet for
Yxy(37.7046, 0.1982, 0.2274)
contains.

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Color

Yxy(37.7191, 0.1982, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	1AAFF9
RGB	26, 175, 249
RGB Percent	10%, 69%, 98%
CMY	0.8992, 0.3137, 0.0236
CMYK	0.90, 0.30, 0.00, 0.02
HSL	200°, 95%, 54%
HSV	200°, 90%, 98%
XYZ	32.8468, 37.7191, 95.1595
YIQ	138.8850, -112.5580, -8.5740

Conversions

Conversions Part 2

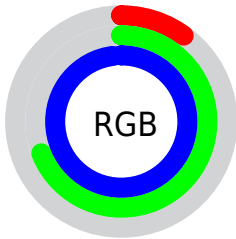
Format	Color
R _Y B	26, 115, 249
Decimal	1748985
CIE Lab	67.81, -10.39, -46.71
CIE LCh	68, 47.853, 257.464
Yxy	37.7191, 0.1982, 0.2276
Android (android.graphics.Color)	4279939065 (0xFF1A AFF9)
YUV	138.8850, 54.2867, -99.0001
Hunter-Lab	61.4159, -12.0114, -48.8745

Details

The Yxy color **37.7191, 0.1982, 0.2276** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **29.2630, 0.5660, 0.3784**, and the grayscale version is **25.5597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5266, 0.2371, 0.2989**, and **17.9717, 0.1907, 0.2065** is the 20% darker color. If you saturate the color by 10%, you get **34.3959, 0.1931, 0.2151**, and if you desaturate by 10%, it is **41.5083, 0.2052, 0.2404**.

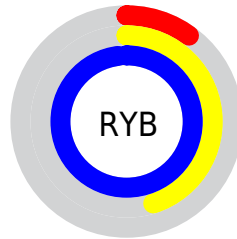
Distribution



Red (10%)

Green (69%)

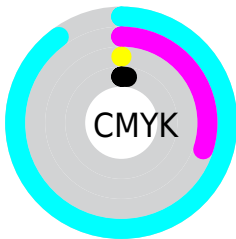
Blue (98%)



Red (10%)

Yellow (45%)

Blue (98%)

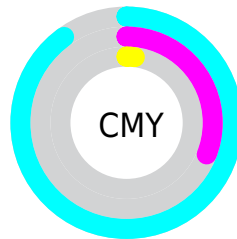


Cyan (90%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (90%)


Magenta (31%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7191, 0.1982, 0.2276 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 37.7191, 0.1982, 0.2276 by changing the saturation by 10% instead.

 37.7191, 0.1982,
0.2276


 37.7191, 0.1982,
0.2276


336.4134, 0.2537,
0.2783

 25.7647, 0.1853,
0.2154


 71.6774, 0.2177,
0.2458

 16.6477, 0.1695,
0.2002


 94.4501, 0.2252,
0.2527


 9.9837, 0.1498,
0.1809


 121.5977, 0.2317,
0.2586

 5.3881, 0.1250,
0.1558

 153.5047, 0.2373,
0.2636

 2.4767, 0.0937,
0.1231

 190.5553, 0.2422,
0.2680

 0.8650, 0.0535,
0.0813

233.1341, 0.2465,

 0.0000, 0.0000,

0.2719

0.0000

281.6253, 0.2503,
0.2753

■ 37.7191, 0.1982,
0.2276

■ 37.7191, 0.1982,
0.2276

■ 34.3959, 0.1931,
0.2151

■ 41.5083, 0.2052,
0.2404

■ 34.2928, 0.1930,
0.2147

■ 45.8406, 0.2142,
0.2532

■ 50.7691, 0.2252,
0.2659

■ 56.3380, 0.2379,
0.2783

■ 62.5861, 0.2518,
0.2901

■ 69.5486, 0.2667,
0.3012

■ 77.2575, 0.2821,
0.3114

■ 85.7430, 0.2977,
0.3208

■ 95.0330, 0.3132,
0.3293

Harmonies

Analogous

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



37.7191, 0.1881, 0.2622



37.7191, 0.1982, 0.2276



37.7191, 0.2348, 0.2198

Triad

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



37.7191, 0.1982, 0.2276



37.7191, 0.4307, 0.3171



37.7191, 0.3164, 0.4530

Complementary

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



37.7191, 0.1982, 0.2276



29.2630, 0.5660, 0.3784

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.



37.7191, 0.3842, 0.4566



37.7191, 0.1982, 0.2276



37.7191, 0.4554, 0.3704

Square

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



37.7191, 0.1982, 0.2276



37.7191, 0.3690, 0.2696



37.7191, 0.4362, 0.4215



37.7191, 0.2512, 0.4003

Rectangle

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



37.7191, 0.1982, 0.2276



37.7191, 0.2730, 0.2277



37.7191, 0.4362, 0.4215



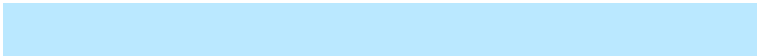
37.7191, 0.3397, 0.4598

Sweetspot

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



37.7203, 0.1982, 0.2276



75.4985, 0.2707, 0.3040



68.8106, 0.2851, 0.5386



15.5881, 0.2655, 0.3003



0.0000, 0.0000, 0.0000



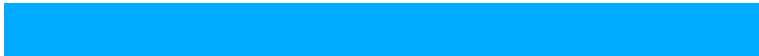
21.4041, 0.3127, 0.3290

Same Dimension

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



37.7203, 0.1982, 0.2276



36.1650, 0.1929, 0.2146



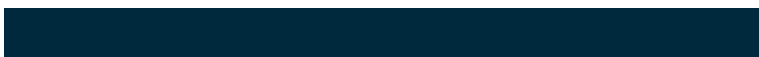
11.0262, 0.1608, 0.0909



18.5828, 0.2980, 0.3210



18.6302, 0.1935, 0.2167



1.9198, 0.1977, 0.2317

Inverse Universe

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



23.9588, 0.4144, 0.2105



24.1820, 0.4291, 0.2138



65.3473, 0.4496, 0.4753



17.4210, 0.3189, 0.3133



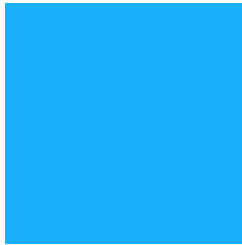
12.2916, 0.4268, 0.2125



1.1580, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 37.7191, 0.1982, 0.2276 looks on a white background.

Color Contrast Check

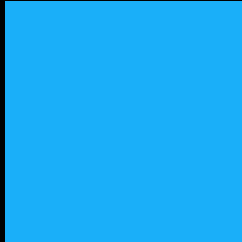
Large Text (above 18pt) WCAG AA × Fail

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 37.7191, 0.1982, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

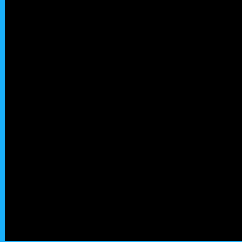
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

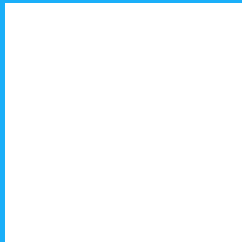
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7191, 0.1982, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 37.7191, 0.1982, 0.2276.



This preview shows how white text looks on a background with the Yxy color 37.7191, 0.1982, 0.2276.

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

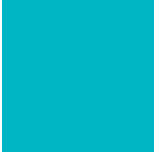
37.7191, 0.1982, 0.2276

Protanopia

37.1518, 0.2397, 0.2293

Deuteranopia

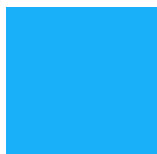
37.5723, 0.2225, 0.2166



Tritanopia

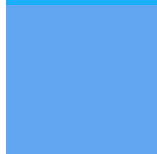
37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.7191, 0.1982, 0.2276



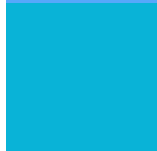
Protanomaly

36.2799, 0.2167, 0.2265



Deuteranomaly

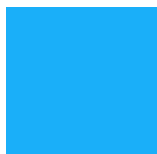
36.9487, 0.2089, 0.2190



Tritanomaly

37.2046, 0.2101, 0.2742

Monochromacy



Original Color

37.7191, 0.1982, 0.2276



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.3078, 0.2452, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7191, 0.1982, 0.2276 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(26, 175, 249)` looks like.

```
.text, #text, p{  
    color:rgb(26, 175, 249)  
}
```

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(26, 175, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 175, 249) }
```

Border

The CSS property to change the border of an element to Yxy 37.7191, 0.1982, 0.2276 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(26, 175, 249) }
```

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

```
.border{ border-color:rgb(26, 175, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 175, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 175, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 175, 249);  
box-shadow:4px 4px 4px 4px rgb(26, 175,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7191, 0.1982, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 175, 249) }
```

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

```
.background{ background-color: rgb(26, 175,  
249) }
```

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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