

Converting Colors

$Yxy(30.4815, 0.1377, 0.2566)$

Have a look what the booklet for
Yxy(30.4815, 0.1377, 0.2566)
contains.

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Color

Yxy(36.9553, 0.2076, 0.2672)

Conversions

Conversions Part 1

Format	Color
Hex	01B2DB
RGB	1, 178, 219
RGB Percent	0%, 70%, 86%
CMY	0.9974, 0.3020, 0.1412
CMYK	1.00, 0.19, 0.00, 0.14
HSL	191°, 99%, 43%
HSV	191°, 100%, 86%
XYZ	28.7123, 36.9553, 72.6382
YIQ	129.7510, -118.6530, -24.7730

Conversions

Conversions Part 2

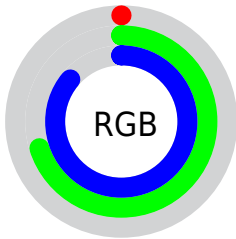
Format	Color
R _Y B	1, 99, 219
Decimal	111323
CIE Lab	67.24, -23.32, -31.23
CIE LCh	67, 38.977, 233.255
Yxy	36.9553, 0.2076, 0.2672
Android (android.graphics.Color)	4278301403 (0xFF01B2DB)
YUV	129.7510, 43.9998, -112.9146
Hunter-Lab	60.7909, -22.0763, -28.2912

Details

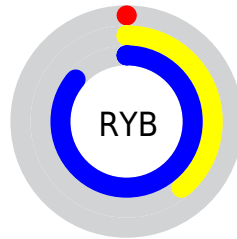
The Yxy color **36.9553, 0.2076, 0.2672** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.6941, 0.6207, 0.3450**, and the grayscale version is **22.0643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0689, 0.2343, 0.3036**, and **17.3476, 0.2031, 0.2510** is the 20% darker color. If you saturate the color by 10%, you get **36.9033, 0.2075, 0.2670**, and if you desaturate by 10%, it is **38.7907, 0.2110, 0.2739**.

Distribution



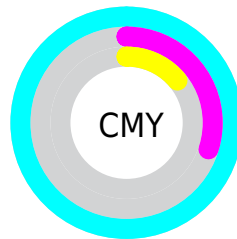
- Red (0%)
- Green (70%)
- Blue (86%)



- Red (0%)
- Yellow (39%)
- Blue (86%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (30%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9553, 0.2076, 0.2672 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 36.9553, 0.2076, 0.2672 by changing the saturation by 10% instead.


 36.9553, 0.2076,
0.2672


 36.9553, 0.2076,
0.2672


333.1170, 0.2594,
0.3002

 25.1729, 0.1952,
0.2585


 70.5040, 0.2261,
0.2796


 16.2059, 0.1797,
0.2472


 93.0391, 0.2331,
0.2841


 9.6700, 0.1599,
0.2320


 119.9273, 0.2391,
0.2879

 5.1807, 0.1341,
0.2107

 151.5528, 0.2443,
0.2911

 2.3537, 0.1001,
0.1794

 188.3001, 0.2488,
0.2938

 0.8019, 0.0325,
0.1352

230.5537, 0.2528,

 0.0000, 0.0000,

0.2962

0.0000

278.6978, 0.2563,
0.2983

■ 36.9553, 0.2076,
0.2672

■ 36.9553, 0.2076,
0.2672

■ 36.9033, 0.2075,
0.2670

■ 38.7907, 0.2110,
0.2739

■ 40.8704, 0.2160,
0.2808

■ 43.2563, 0.2230,
0.2876

■ 45.9840, 0.2319,
0.2944

■ 49.0838, 0.2426,
0.3010

■ 52.5819, 0.2548,
0.3074

■ 56.5021, 0.2683,
0.3135

■ 60.8663, 0.2828,
0.3191

■ 65.6944, 0.2978,
0.3244

Harmonies

Analogous

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



36.9553, 0.2186, 0.3153



36.9553, 0.2076, 0.2672



36.9553, 0.2207, 0.2414

Triad

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



36.9553, 0.2076, 0.2672



36.9553, 0.3705, 0.2866



36.9553, 0.3633, 0.4360

Complementary

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



36.9553, 0.2076, 0.2672



16.6941, 0.6207, 0.3450

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.



36.9553, 0.4094, 0.4147



36.9553, 0.2076, 0.2672



36.9553, 0.4160, 0.3290

Square

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



36.9553, 0.2076, 0.2672



36.9553, 0.3106, 0.2544



36.9553, 0.4301, 0.3746



36.9553, 0.3061, 0.4232

Rectangle

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



36.9553, 0.2076, 0.2672



36.9553, 0.2423, 0.2367



36.9553, 0.4301, 0.3746



36.9553, 0.3807, 0.4320

Sweetspot

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



36.9566, 0.2076, 0.2672



79.4371, 0.2676, 0.3131



50.8262, 0.2955, 0.5836



16.4862, 0.2617, 0.3106



0.0000, 0.0000, 0.0000



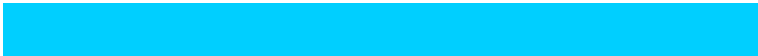
21.4041, 0.3127, 0.3290

Same Dimension

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



36.9566, 0.2076, 0.2672



51.8971, 0.2074, 0.2664



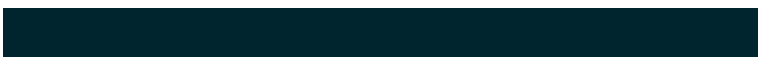
9.4740, 0.1619, 0.1024



14.3921, 0.2982, 0.3245



22.0329, 0.2078, 0.2680



1.5370, 0.2109, 0.2790

Inverse Universe

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



18.2887, 0.3755, 0.1843



25.7702, 0.3762, 0.1846



36.8295, 0.4894, 0.4494



13.2307, 0.3166, 0.3102



10.8480, 0.3747, 0.1838



0.7139, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 36.9553, 0.2076, 0.2672 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 36.9553, 0.2076, 0.2672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

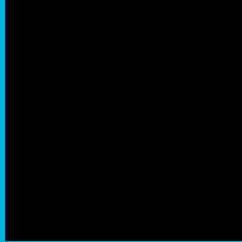
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9553, 0.2076, 0.2672

Background



This preview shows how black text looks on a background with the Yxy color 36.9553, 0.2076, 0.2672.



This preview shows how white text looks on a background with the Yxy color 36.9553, 0.2076, 0.2672.

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

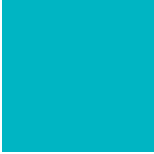
36.9617, 0.2076, 0.2672

Protanopia

36.5253, 0.2681, 0.2672

Deuteranopia

36.7467, 0.2517, 0.2462



Tritanopia

36.9879, 0.2184, 0.3063

Trichromacy



Original Color

36.9617, 0.2076, 0.2672



Protanomaly

34.8274, 0.2303, 0.2639



Deuteranomaly

35.1867, 0.2231, 0.2498



Tritanomaly

37.0021, 0.2142, 0.2912

Monochromacy



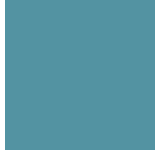
Original Color

36.9617, 0.2076, 0.2672



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.3151, 0.2448, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9553, 0.2076, 0.2672 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 219) }
```

Border

The CSS property to change the border of an element to Yxy 36.9553, 0.2076, 0.2672 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, 219) }
```

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

```
.border{ border-color:rgb(1, 178, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 219);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9553, 0.2076, 0.2672 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, 219) }
```

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

```
.background{ background-color: rgb(1, 178,  
219) }
```

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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