

Converting Colors

$Yxy(30.8960, 0.1475, 0.2678)$

Have a look what the booklet for
Yxy(30.8960, 0.1475, 0.2678)
contains.

Yxy(36.5943, 0.2102, 0.2766)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.5943, 0.2102, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	00B2D4
RGB	0, 178, 212
RGB Percent	0%, 70%, 83%
CMY	0.9982, 0.3020, 0.1686
CMYK	1.00, 0.16, 0.00, 0.17
HSL	190°, 100%, 42%
HSV	190°, 100%, 83%
XYZ	27.8096, 36.5943, 67.8966
YIQ	128.6540, -117.0020, -27.1620

Conversions

Conversions Part 2

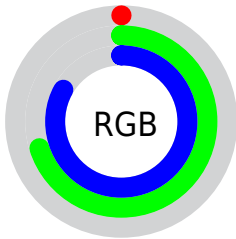
Format	Color
RYB	0, 97, 212
Decimal	45780
CIELab	66.97, -25.70, -27.81
CIElCh	67, 37.868, 227.262
Yxy	36.5943, 0.2102, 0.2766
Android (android.graphics.Color)	4278235860 (0xFF00B2D4)
YUV	128.6540, 41.0896, -112.8296
Hunter-Lab	60.4932, -23.8043, -24.2008

Details

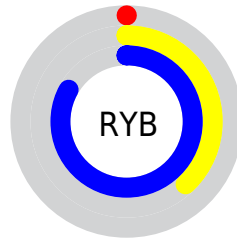
The Yxy color **36.5943, 0.2102, 0.2766** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.1721, 0.6249, 0.3417**, and the grayscale version is **21.7590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0087, 0.2340, 0.3036**, and **17.1016, 0.2064, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **36.5639, 0.2101, 0.2765**, and if you desaturate by 10%, it is **38.1331, 0.2133, 0.2823**.

Distribution



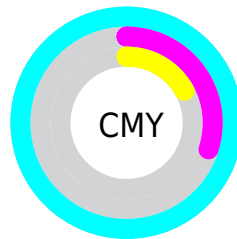
- Red (0%)
- Green (70%)
- Blue (83%)



- Red (0%)
- Yellow (38%)
- Blue (83%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5943, 0.2102, 0.2766 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 36.5943, 0.2102, 0.2766 by changing the saturation by 10% instead.

 36.5943, 0.2102,
0.2766


 36.5943, 0.2102,
0.2766


331.5507, 0.2610,
0.3050


 24.8935, 0.1979,
0.2689


 69.9484, 0.2284,
0.2874

 15.9978, 0.1825,
0.2588


 92.3705, 0.2353,
0.2913

 9.5226, 0.1628,
0.2450


 119.1351, 0.2412,
0.2946

 5.0836, 0.1367,
0.2252

 150.6267, 0.2463,
0.2973

 2.2964, 0.1021,
0.1954

 187.2297, 0.2507,
0.2997

 0.7718, 0.0210,
0.1529

229.3284, 0.2545,

 0.0000, 0.0000,

0.3017

0.0000

277.3073, 0.2579,
0.3035

■ 36.5943, 0.2102,
0.2766

■ 36.5943, 0.2102,
0.2766

■ 36.5639, 0.2101,
0.2765

■ 38.1331, 0.2133,
0.2823

■ 39.8846, 0.2180,
0.2880

■ 41.9080, 0.2246,
0.2938

■ 44.2358, 0.2331,
0.2995

■ 46.8959, 0.2434,
0.3051

■ 49.9124, 0.2553,
0.3106

■ 53.3072, 0.2685,
0.3157

■ 57.1002, 0.2828,
0.3205

■ 61.3099, 0.2977,
0.3250

Harmonies

Analogous

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



36.5943, 0.2259, 0.3272



36.5943, 0.2102, 0.2766



36.5943, 0.2184, 0.2467

Triad

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



36.5943, 0.2102, 0.2766



36.5943, 0.3578, 0.2803



36.5943, 0.3726, 0.4314

Complementary

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



36.5943, 0.2102, 0.2766



15.1721, 0.6249, 0.3417

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.



36.5943, 0.4136, 0.4060



36.5943, 0.2102, 0.2766



36.5943, 0.4066, 0.3204

Square

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



36.5943, 0.2102, 0.2766



36.5943, 0.2992, 0.2514



36.5943, 0.4272, 0.3650



36.5943, 0.3177, 0.4261

Rectangle

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



36.5943, 0.2102, 0.2766



36.5943, 0.2366, 0.2392



36.5943, 0.4272, 0.3650



36.5943, 0.3885, 0.4256

Sweetspot

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



36.5956, 0.2102, 0.2766



80.6643, 0.2678, 0.3154



47.2044, 0.2968, 0.5882



16.7828, 0.2621, 0.3133



0.0000, 0.0000, 0.0000



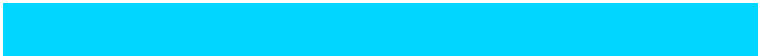
21.4041, 0.3127, 0.3290

Same Dimension

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



36.5956, 0.2102, 0.2766



55.3084, 0.2100, 0.2759



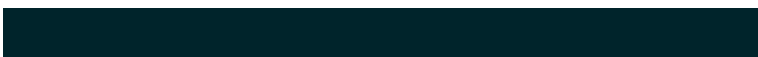
9.7217, 0.1642, 0.1111



13.7519, 0.2983, 0.3252



22.6919, 0.2104, 0.2773



1.4618, 0.2131, 0.2871

Inverse Universe

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



17.2237, 0.3666, 0.1794



26.1146, 0.3673, 0.1797



32.1689, 0.4984, 0.4423



12.5968, 0.3162, 0.3097



10.6356, 0.3660, 0.1790



0.6509, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 36.5943, 0.2102, 0.2766 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 36.5943, 0.2102, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

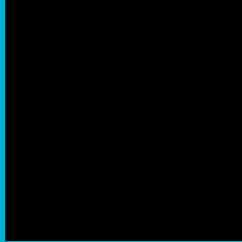
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.5943, 0.2102, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 36.5943, 0.2102, 0.2766.



This preview shows how white text looks on a background with the Yxy color 36.5943, 0.2102, 0.2766.

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

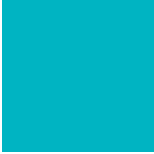
36.5943, 0.2102, 0.2766

Protanopia

36.0374, 0.2746, 0.2748

Deuteranopia

36.0500, 0.2587, 0.2520



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



Original Color

36.5943, 0.2102, 0.2766



Protanomaly

34.5937, 0.2351, 0.2733



Deuteranomaly

34.5584, 0.2270, 0.2571



Tritanomaly

36.4572, 0.2150, 0.2940

Monochromacy



Original Color

36.5943, 0.2102, 0.2766



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.1645, 0.2462, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5943, 0.2102, 0.2766 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, 178, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 212)  
}
```

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, 178, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 212) }
```

Border

The CSS property to change the border of an element to Yxy 36.5943, 0.2102, 0.2766 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, 178, 212) }
```

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

```
.border{ border-color:rgb(0, 178, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5943, 0.2102, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 212) }
```

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

```
.background{ background-color: rgb(0, 178,  
212) }
```

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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