

Converting Colors

$Y_{xy}(30.2550, 0.1043, 0.2548)$

Have a look what the booklet for
Yxy(30.2550, 0.1043, 0.2548)
contains.

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Color

Yxy(39.7172, 0.2080, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	00B8E1
RGB	0, 184, 225
RGB Percent	0%, 72%, 88%
CMY	1.0000, 0.2784, 0.1177
CMYK	1.00, 0.18, 0.00, 0.12
HSL	191°, 100%, 44%
HSV	191°, 100%, 88%
XYZ	30.7221, 39.7172, 77.2632
YIQ	133.6580, -122.8250, -26.2570

Conversions

Conversions Part 2

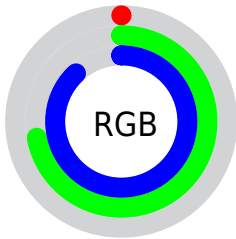
Format	Color
RYB	0, 101, 225
Decimal	47329
CIELab	69.27, -24.39, -31.38
CIElCh	69, 39.741, 232.139
Yxy	39.7172, 0.2080, 0.2689
Android (android.graphics.Color)	4278237409 (0xFF00B8E1)
YUV	133.6580, 45.0316, -117.2181
Hunter-Lab	63.0216, -23.2716, -28.5732

Details

The Yxy color **39.7172, 0.2080, 0.2689** 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 **17.5868, 0.6225, 0.3439**, and the grayscale version is **23.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6660, 0.2366, 0.3110**, and **19.1349, 0.2038, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **39.7225, 0.2080, 0.2689**, and if you desaturate by 10%, it is **41.6255, 0.2113, 0.2754**.

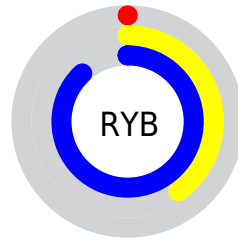
Distribution



Red (0%)

Green (72%)

Blue (88%)



Red (0%)

Yellow (40%)

Blue (88%)

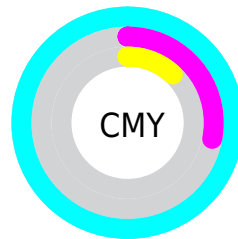


Cyan (100%)

Magenta (18%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (28%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7172, 0.2080, 0.2689 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 39.7172, 0.2080, 0.2689 by changing the saturation by 10% instead.

 39.7172, 0.2080,
0.2689


 39.7172, 0.2080,
0.2689


344.9302, 0.2590,
0.3007


 27.3181, 0.1960,
0.2606


 74.7327, 0.2261,
0.2807


 17.8123, 0.1810,
0.2499


 98.1179, 0.2330,
0.2851


 10.8153, 0.1619,
0.2356


 125.9339, 0.2389,
0.2888

 5.9428, 0.1373,
0.2156

 158.5651, 0.2440,
0.2919

 2.8103, 0.1050,
0.1867

 196.3960, 0.2485,
0.2945

 1.0335, 0.0532,
0.1447

239.8108, 0.2524,

 0.0000, 0.0000,

0.2969

0.0000

289.1941, 0.2559,
0.2989

■ 39.7172, 0.2080,
0.2689

■ 39.7172, 0.2080,
0.2689

■ 39.7225, 0.2080,
0.2689

■ 41.6255, 0.2113,
0.2754

■ 43.7834, 0.2162,
0.2820

■ 46.2628, 0.2230,
0.2887

■ 49.1022, 0.2318,
0.2952

■ 52.3337, 0.2424,
0.3017

■ 55.9856, 0.2545,
0.3079

■ 60.0834, 0.2679,
0.3138

■ 64.6504, 0.2823,
0.3193

■ 69.7079, 0.2973,
0.3244

Harmonies

Analogous

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



39.7172, 0.2199, 0.3175



39.7172, 0.2080, 0.2689



39.7172, 0.2202, 0.2423

Triad

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



39.7172, 0.2080, 0.2689



39.7172, 0.3681, 0.2854



39.7172, 0.3651, 0.4352

Complementary

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



39.7172, 0.2080, 0.2689



17.5868, 0.6225, 0.3439

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.



39.7172, 0.4103, 0.4131



39.7172, 0.2080, 0.2689



39.7172, 0.4144, 0.3274

Square

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



39.7172, 0.2080, 0.2689



39.7172, 0.3084, 0.2537



39.7172, 0.4297, 0.3728



39.7172, 0.3083, 0.4239

Rectangle

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



39.7172, 0.2080, 0.2689



39.7172, 0.2411, 0.2371



39.7172, 0.4297, 0.3728



39.7172, 0.3823, 0.4309

Sweetspot

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



39.7225, 0.2080, 0.2689



79.6975, 0.2676, 0.3136



53.9742, 0.2963, 0.5866



16.5491, 0.2618, 0.3112



0.0000, 0.0000, 0.0000



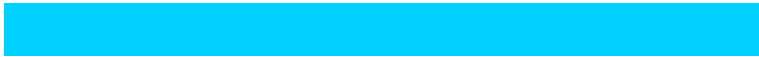
21.4041, 0.3127, 0.3290

Same Dimension

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



39.7225, 0.2080, 0.2689



52.6120, 0.2079, 0.2685



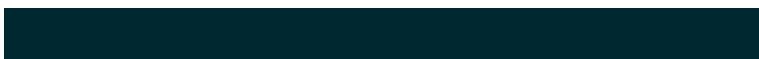
10.4660, 0.1627, 0.1058



15.1257, 0.2982, 0.3246



23.0536, 0.2083, 0.2699



1.7098, 0.2111, 0.2800

Inverse Universe

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



19.4651, 0.3739, 0.1833



25.8424, 0.3743, 0.1835



37.8113, 0.4944, 0.4456



13.8906, 0.3165, 0.3100



11.2353, 0.3729, 0.1828



0.7901, 0.3635, 0.1776

Previews

White Background



This preview shows how the Yxy color 39.7172, 0.2080, 0.2689 looks on a white background.

Color Contrast Check

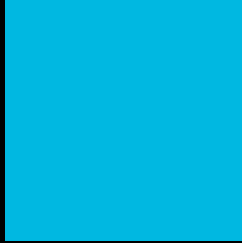
Large Text (above 18pt) WCAG AA × Fail

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 39.7172, 0.2080, 0.2689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

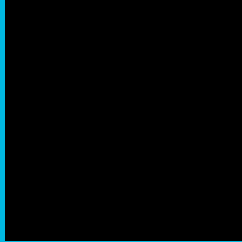
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7172, 0.2080, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 39.7172, 0.2080, 0.2689.

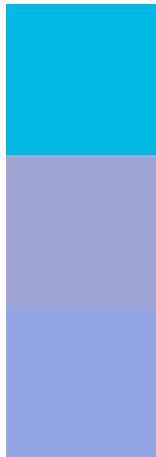


This preview shows how white text looks on a background with the Yxy color 39.7172, 0.2080, 0.2689.

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

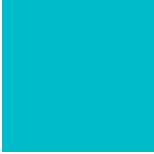
39.7172, 0.2080, 0.2689

Protanopia

39.1940, 0.2693, 0.2677

Deuteranopia

39.3191, 0.2525, 0.2471



Tritanopia

39.7577, 0.2186, 0.3070

Trichromacy



Original Color

39.7172, 0.2080, 0.2689



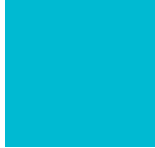
Protanomaly

37.6062, 0.2312, 0.2658



Deuteranomaly

37.9215, 0.2237, 0.2519



Tritanomaly

39.7710, 0.2145, 0.2923

Monochromacy



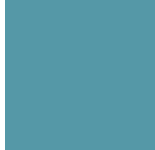
Original Color

39.7172, 0.2080, 0.2689



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

27.1778, 0.2445, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7172, 0.2080, 0.2689 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, 184, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 225)  
}
```

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, 184, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 225) }
```

Border

The CSS property to change the border of an element to Yxy 39.7172, 0.2080, 0.2689 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, 184, 225) }
```

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

```
.border{ border-color:rgb(0, 184, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 184, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7172, 0.2080, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 225) }
```

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

```
.background{ background-color: rgb(0, 184,  
225) }
```

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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