

Converting Colors

$Y_{xy}(39.5025, 0.2080, 0.2689)$

Have a look what the booklet for
Yxy(39.5025, 0.2080, 0.2689)
contains.

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Color

Yxy(39.6628, 0.2084, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	01B8E0
RGB	1, 184, 224
RGB Percent	0%, 72%, 88%
CMY	0.9977, 0.2785, 0.1215
CMYK	1.00, 0.18, 0.00, 0.12
HSL	191°, 99%, 44%
HSV	191°, 100%, 88%
XYZ	30.6025, 39.6628, 76.5796
YIQ	133.8430, -121.9080, -26.3560

Conversions

Conversions Part 2

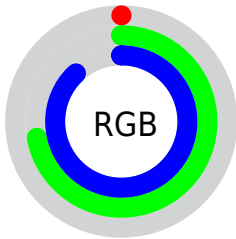
Format	Color
RYB	1, 102, 224
Decimal	112864
CIELab	69.23, -24.67, -30.92
CIELCh	69, 39.551, 231.412
Yxy	39.6628, 0.2084, 0.2701
Android (android.graphics.Color)	4278302944 (0xFF01B8E0)
YUV	133.8430, 44.4474, -116.5033
Hunter-Lab	62.9784, -23.4755, -28.0097

Details

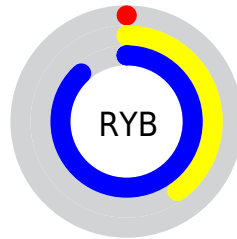
The Yxy color **39.6628, 0.2084, 0.2701** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.4127, 0.6224, 0.3437**, and the grayscale version is **23.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6660, 0.2366, 0.3110**, and **19.0972, 0.2043, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **39.6159, 0.2083, 0.2699**, and if you desaturate by 10%, it is **41.5338, 0.2117, 0.2765**.

Distribution



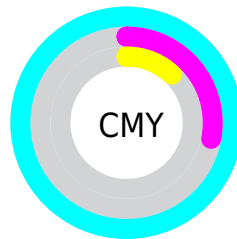
- Red (0%)
- Green (72%)
- Blue (88%)



- 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 39.6628, 0.2084, 0.2701 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 39.6628, 0.2084, 0.2701 by changing the saturation by 10% instead.


 39.6628, 0.2084,
0.2701


 39.6628, 0.2084,
0.2701

344.7003, 0.2592,
0.3013


 27.2757, 0.1964,
0.2620


 74.6498, 0.2264,
0.2817


 17.7804, 0.1814,
0.2514


 98.0185, 0.2333,
0.2860

 10.7925, 0.1624,
0.2372


 125.8165, 0.2392,
0.2896

 5.9274, 0.1377,
0.2175

 158.4282, 0.2443,
0.2927

 2.8010, 0.1054,
0.1887

 196.2381, 0.2488,
0.2953

 1.0287, 0.0527,
0.1468

239.6304, 0.2527,

 0.0000, 0.0000,

0.2976

0.0000

288.9897, 0.2561,
0.2996

■ 39.6628, 0.2084,
0.2701

■ 39.6628, 0.2084,
0.2701

■ 39.6159, 0.2083,
0.2699

■ 41.5338, 0.2117,
0.2765

■ 43.6577, 0.2166,
0.2830

■ 46.0997, 0.2234,
0.2895

■ 48.8973, 0.2322,
0.2960

■ 52.0825, 0.2428,
0.3023

■ 55.6831, 0.2549,
0.3084

■ 59.7241, 0.2683,
0.3142

■ 64.2286, 0.2827,
0.3196

■ 69.2176, 0.2977,
0.3246

Harmonies

Analogous

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



39.6628, 0.2209, 0.3190



39.6628, 0.2084, 0.2701



39.6628, 0.2200, 0.2430

Triad

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



39.6628, 0.2084, 0.2701



39.6628, 0.3665, 0.2847



39.6628, 0.3662, 0.4346

Complementary

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



39.6628, 0.2084, 0.2701



17.4127, 0.6224, 0.3437

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.



39.6628, 0.4108, 0.4120



39.6628, 0.2084, 0.2701



39.6628, 0.4131, 0.3263

Square

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



39.6628, 0.2084, 0.2701



39.6628, 0.3070, 0.2534



39.6628, 0.4292, 0.3716



39.6628, 0.3097, 0.4242

Rectangle

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



39.6628, 0.2084, 0.2701



39.6628, 0.2405, 0.2375



39.6628, 0.4292, 0.3716



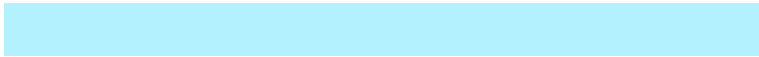
39.6628, 0.3832, 0.4300

Sweetspot

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



39.6642, 0.2084, 0.2701



79.8285, 0.2676, 0.3139



53.4666, 0.2962, 0.5863



16.5807, 0.2618, 0.3115



0.0000, 0.0000, 0.0000



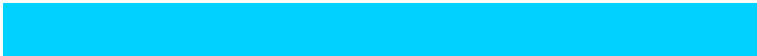
21.4041, 0.3127, 0.3290

Same Dimension

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



39.6642, 0.2084, 0.2701



52.9734, 0.2082, 0.2695



10.4289, 0.1629, 0.1063



15.1327, 0.2982, 0.3247



23.2079, 0.2086, 0.2709



1.7192, 0.2113, 0.2808

Inverse Universe

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



19.3243, 0.3727, 0.1828



25.8788, 0.3733, 0.1830



37.5210, 0.4940, 0.4458



13.8913, 0.3165, 0.3100



11.2509, 0.3719, 0.1823



0.7910, 0.3627, 0.1772

Previews

White Background



This preview shows how the Yxy color 39.6628, 0.2084, 0.2701 looks on a white background.

Color Contrast Check

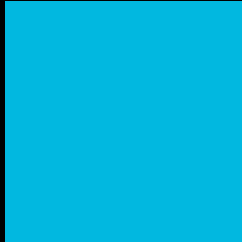
Large Text (above 18pt) WCAG AA × Fail

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 39.6628, 0.2084, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

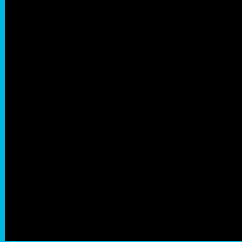
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6628, 0.2084, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 39.6628, 0.2084, 0.2701.



This preview shows how white text looks on a background with the Yxy color 39.6628, 0.2084, 0.2701.

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

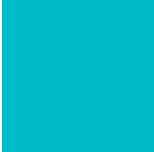
39.6693, 0.2084, 0.2702

Protanopia

39.1437, 0.2700, 0.2689

Deuteranopia

39.3579, 0.2538, 0.2484



Tritanopia

39.7577, 0.2186, 0.3070

Trichromacy



Original Color

39.6693, 0.2084, 0.2702



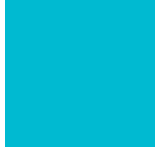
Protanomaly

37.5543, 0.2317, 0.2670



Deuteranomaly

37.9200, 0.2246, 0.2532



Tritanomaly

39.7213, 0.2149, 0.2937

Monochromacy



Original Color

39.6693, 0.2084, 0.2702



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 39.6628, 0.2084, 0.2701 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, 184, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 184, 224)  
}
```

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, 184, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 184, 224) }
```

Border

The CSS property to change the border of an element to Yxy 39.6628, 0.2084, 0.2701 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, 184, 224) }
```

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

```
.border{ border-color:rgb(1, 184, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 184, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 184, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 184, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 184,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6628, 0.2084, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 184, 224) }
```

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

```
.background{ background-color: rgb(1, 184,  
224) }
```

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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