

Converting Colors

$Yxy(33.8849, 0.2069, 0.2637)$

Have a look what the booklet for
Yxy(33.8849, 0.2069, 0.2637)
contains.

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Color

Yxy(33.9622, 0.2070, 0.2639)

Conversions

Conversions Part 1

Format	Color
Hex	06ABD5
RGB	6, 171, 213
RGB Percent	2%, 67%, 84%
CMY	0.9779, 0.3294, 0.1648
CMYK	0.97, 0.20, 0.00, 0.16
HSL	192°, 95%, 43%
HSV	192°, 97%, 84%
XYZ	26.6395, 33.9622, 68.0917
YIQ	126.4530, -111.8220, -21.9180

Conversions

Conversions Part 2

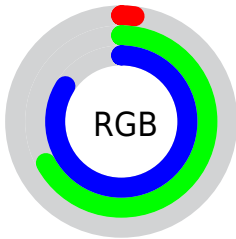
Format	Color
R _Y B	6, 98, 213
Decimal	437205
CIE Lab	64.93, -21.63, -31.49
CIE LCh	65, 38.206, 235.514
Yxy	33.9622, 0.2070, 0.2639
Android (android.graphics.Color)	4278627285 (0xFF06ABD5)
YUV	126.4530, 42.6677, -105.6373
Hunter-Lab	58.2771, -20.3893, -28.4812

Details

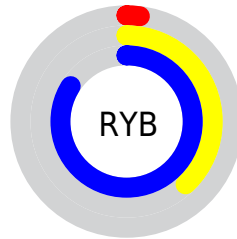
The Yxy color **33.9622, 0.2070, 0.2639** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.2393, 0.6125, 0.3489**, and the grayscale version is **20.8651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5558, 0.2317, 0.2936**, and **15.6623, 0.2023, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **33.4982, 0.2061, 0.2620**, and if you desaturate by 10%, it is **35.8152, 0.2109, 0.2712**.

Distribution



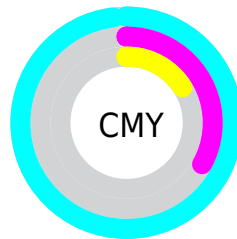
- Red (2%)
- Green (67%)
- Blue (84%)



- Red (2%)
- Yellow (38%)
- Blue (84%)



- Cyan (97%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)





- Cyan (98%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9622, 0.2070, 0.2639 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 33.9622, 0.2070, 0.2639 by changing the saturation by 10% instead.


 33.9622, 0.2070,
0.2639


 33.9622, 0.2070,
0.2639


319.9635, 0.2598,
0.2989

 22.8646, 0.1942,
0.2546


 65.8749, 0.2260,
0.2771


 14.4935, 0.1780,
0.2424


 87.4587, 0.2332,
0.2819


 8.4647, 0.1573,
0.2259


 113.3067, 0.2393,
0.2859

 4.3937, 0.1301,
0.2026

 143.8033, 0.2446,
0.2893

 1.8962, 0.0941,
0.1684

 179.3329, 0.2491,
0.2922

 0.5461, 0.0000,
0.1150

220.2799, 0.2531,

 0.0000, 0.0000,

0.2948

0.0000

267.0286, 0.2567,
0.2970

■ 33.9622, 0.2070,
0.2639

■ 33.9622, 0.2070,
0.2639

■ 33.4982, 0.2061,
0.2620

■ 35.8152, 0.2109,
0.2712

■ 37.9268, 0.2166,
0.2786

■ 40.3413, 0.2243,
0.2860

■ 43.0906, 0.2338,
0.2934

■ 46.2018, 0.2451,
0.3005

■ 49.6991, 0.2578,
0.3073

■ 53.6044, 0.2716,
0.3138

■ 57.9375, 0.2863,
0.3198

■ 62.7171, 0.3014,
0.3253

Harmonies

Analogous

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



33.9622, 0.2162, 0.3109



33.9622, 0.2070, 0.2639



33.9622, 0.2220, 0.2397

Triad

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



33.9622, 0.2070, 0.2639



33.9622, 0.3752, 0.2892



33.9622, 0.3595, 0.4373

Complementary

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



33.9622, 0.2070, 0.2639



16.2393, 0.6125, 0.3489

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.



33.9622, 0.4074, 0.4178



33.9622, 0.2070, 0.2639



33.9622, 0.4192, 0.3324

Square

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



33.9622, 0.2070, 0.2639



33.9622, 0.3151, 0.2558



33.9622, 0.4306, 0.3782



33.9622, 0.3016, 0.4215

Rectangle

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



33.9622, 0.2070, 0.2639



33.9622, 0.2448, 0.2362



33.9622, 0.4306, 0.3782



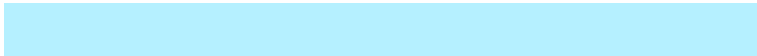
33.9622, 0.3774, 0.4341

Sweetspot

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



33.9634, 0.2070, 0.2639



79.3844, 0.2688, 0.3125



47.8235, 0.2942, 0.5773



16.4449, 0.2628, 0.3098



0.0000, 0.0000, 0.0000



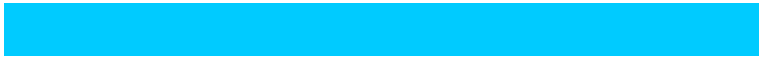
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9634, 0.2070, 0.2639



50.1024, 0.2059, 0.2612



8.9542, 0.1625, 0.1029



13.6608, 0.2983, 0.3242



20.6138, 0.2064, 0.2630



1.3540, 0.2099, 0.2757

Inverse Universe

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



17.2062, 0.3785, 0.1869



25.5890, 0.3812, 0.1874



36.2184, 0.4822, 0.4536



12.5876, 0.3168, 0.3106



10.4258, 0.3795, 0.1864



0.6400, 0.3675, 0.1798

Previews

White Background



This preview shows how the Yxy color 33.9622, 0.2070, 0.2639 looks on a white background.

Color Contrast Check

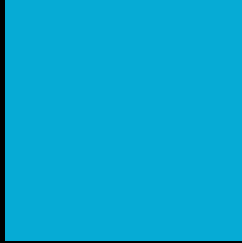
Large Text (above 18pt) WCAG AA × Fail

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 33.9622, 0.2070, 0.2639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

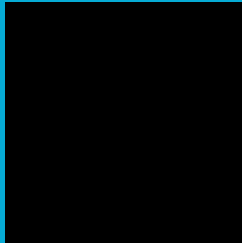
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9622, 0.2070, 0.2639

Background



This preview shows how black text looks on a background with the Yxy color 33.9622, 0.2070, 0.2639.



This preview shows how white text looks on a background with the Yxy color 33.9622, 0.2070, 0.2639.

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

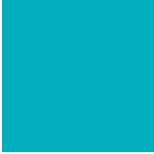
33.9686, 0.2070, 0.2639

Protanopia

33.6795, 0.2660, 0.2640

Deuteranopia

33.7708, 0.2492, 0.2435



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



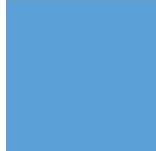
Original Color

33.9686, 0.2070, 0.2639



Protanomaly

32.2772, 0.2305, 0.2621



Deuteranomaly

32.5715, 0.2224, 0.2476



Tritanomaly

33.9313, 0.2140, 0.2899

Monochromacy



Original Color

33.9686, 0.2070, 0.2639



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.6085, 0.2452, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9622, 0.2070, 0.2639 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(6, 171, 213)` looks like.

```
.text, #text, p{  
    color:rgb(6, 171, 213)  
}
```

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(6, 171, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 171, 213) }
```

Border

The CSS property to change the border of an element to Yxy 33.9622, 0.2070, 0.2639 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(6, 171, 213) }
```

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

```
.border{ border-color:rgb(6, 171, 213) }
```

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

Here you see how a box with a 4 pixel rgb(6, 171, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 171, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 171, 213);  
box-shadow:4px 4px 4px 4px rgb(6, 171,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9622, 0.2070, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 171, 213) }
```

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

```
.background{ background-color: rgb(6, 171,  
213) }
```

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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