

Converting Colors

$Y_{xy}(33.6943, 0.2064, 0.2628)$

Have a look what the booklet for
Yxy(33.6943, 0.2064, 0.2628)
contains.

Yxy(33.5600, 0.2062, 0.2622)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5600, 0.2062, 0.2622)

Conversions

Conversions Part 1

Format	Color
Hex	00AAD5
RGB	0, 170, 213
RGB Percent	0%, 67%, 84%
CMY	0.9983, 0.3333, 0.1647
CMYK	1.00, 0.20, 0.00, 0.16
HSL	192°, 100%, 42%
HSV	192°, 100%, 84%
XYZ	26.3923, 33.5600, 68.0416
YIQ	124.0720, -115.1230, -22.6670

Conversions

Conversions Part 2

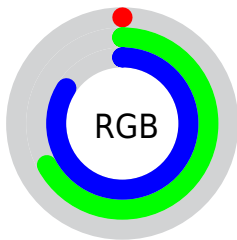
Format	Color
RYB	0, 95, 213
Decimal	43733
CIELab	64.61, -21.27, -32.00
CIELCh	65, 38.424, 236.397
Yxy	33.5600, 0.2062, 0.2622
Android (android.graphics.Color)	4278233813 (0xFF00AAD5)
YUV	124.0720, 43.8415, -108.8111
Hunter-Lab	57.9310, -20.0578, -29.0861

Details

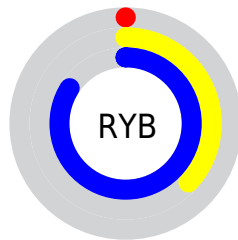
The Yxy color **33.5600, 0.2062, 0.2622** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.9070, 0.6181, 0.3472**, and the grayscale version is **20.1090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9540, 0.2311, 0.2923**, and **15.4255, 0.2016, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **33.5257, 0.2061, 0.2621**, and if you desaturate by 10%, it is **35.3680, 0.2098, 0.2695**.

Distribution



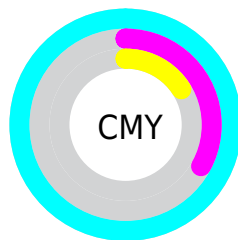
- Red (0%)
- Green (67%)
- Blue (84%)



- Red (0%)
- Yellow (37%)
- Blue (84%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (33%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5600, 0.2062, 0.2622 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 33.5600, 0.2062, 0.2622 by changing the saturation by 10% instead.


 33.5600, 0.2062,
0.2622


 33.5600, 0.2062,
0.2622


318.1656, 0.2595,
0.2981

 22.5558, 0.1932,
0.2527


 65.2488, 0.2254,
0.2757

 14.2659, 0.1770,
0.2402


 86.7023, 0.2326,
0.2807


 8.3058, 0.1560,
0.2233


 112.4075, 0.2388,
0.2848

 4.2912, 0.1286,
0.1995

 142.7491, 0.2441,
0.2883

 1.8378, 0.0924,
0.1646

 178.1113, 0.2487,
0.2913

 0.5106, 0.0000,
0.1085

218.8785, 0.2527,

 0.0000, 0.0000,

0.2938

0.0000

265.4351, 0.2563,
0.2961

■ 33.5600, 0.2062,
0.2622

■ 33.5600, 0.2062,
0.2622

■ 33.5257, 0.2061,
0.2621

■ 35.3680, 0.2098,
0.2695

■ 37.4102, 0.2150,
0.2769

■ 39.7465, 0.2222,
0.2843

■ 42.4102, 0.2313,
0.2916

■ 45.4295, 0.2422,
0.2988

■ 48.8292, 0.2545,
0.3057

■ 52.6316, 0.2681,
0.3122

■ 56.8572, 0.2826,
0.3183

■ 61.5248, 0.2977,
0.3240

Harmonies

Analogous

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



33.5600, 0.2147, 0.3090



33.5600, 0.2062, 0.2622



33.5600, 0.2220, 0.2385

Triad

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



33.5600, 0.2062, 0.2622



33.5600, 0.3774, 0.2900



33.5600, 0.3582, 0.4384

Complementary

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



33.5600, 0.2062, 0.2622



15.9070, 0.6181, 0.3472

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.



33.5600, 0.4071, 0.4195



33.5600, 0.2062, 0.2622



33.5600, 0.4211, 0.3337

Square

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



33.5600, 0.2062, 0.2622



33.5600, 0.3169, 0.2560



33.5600, 0.4315, 0.3799



33.5600, 0.2998, 0.4214

Rectangle

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



33.5600, 0.2062, 0.2622



33.5600, 0.2454, 0.2354



33.5600, 0.4315, 0.3799



33.5600, 0.3764, 0.4355

Sweetspot

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



33.5612, 0.2062, 0.2622



78.7865, 0.2674, 0.3119



47.7689, 0.2947, 0.5809



16.3292, 0.2615, 0.3092



0.0000, 0.0000, 0.0000



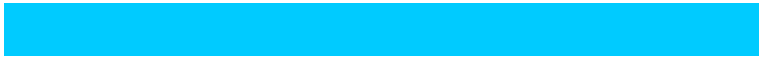
21.4041, 0.3127, 0.3290

Same Dimension

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



33.5612, 0.2062, 0.2622



50.1326, 0.2059, 0.2613



8.4970, 0.1608, 0.0985



13.6613, 0.2983, 0.3242



20.6259, 0.2064, 0.2631



1.3546, 0.2099, 0.2758

Inverse Universe

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



17.0593, 0.3803, 0.1869



25.5921, 0.3811, 0.1873



35.7172, 0.4849, 0.4530



12.5876, 0.3168, 0.3106



10.4270, 0.3794, 0.1864



0.6401, 0.3674, 0.1798

Previews

White Background



This preview shows how the Yxy color 33.5600, 0.2062, 0.2622 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 33.5600, 0.2062, 0.2622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

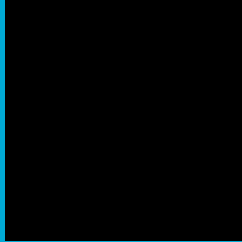
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5600, 0.2062, 0.2622

Background



This preview shows how black text looks on a background with the Yxy color 33.5600, 0.2062, 0.2622.



This preview shows how white text looks on a background with the Yxy color 33.5600, 0.2062, 0.2622.

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

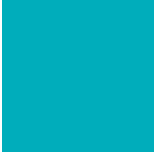
33.5535, 0.2062, 0.2622

Protanopia

33.1679, 0.2643, 0.2622

Deuteranopia

33.2719, 0.2476, 0.2418



Tritanopia

33.4750, 0.2182, 0.3054

Trichromacy



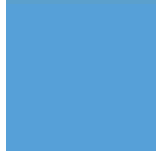
Original Color

33.5535, 0.2062, 0.2622



Protanomaly

31.7735, 0.2285, 0.2602



Deuteranomaly

32.0779, 0.2207, 0.2458



Tritanomaly

33.4906, 0.2138, 0.2897

Monochromacy



Original Color

33.5535, 0.2062, 0.2622



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.1123, 0.2442, 0.3010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5600, 0.2062, 0.2622 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, 170, 213)` looks like.

```
.text, #text, p{  
  color:rgb(0, 170, 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(0, 170, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 213) }
```

Border

The CSS property to change the border of an element to Yxy 33.5600, 0.2062, 0.2622 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, 170, 213) }
```

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

```
.border{ border-color:rgb(0, 170, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5600, 0.2062, 0.2622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 213) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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