

Converting Colors

$Yxy(31.8137, 0.1868, 0.2462)$

Have a look what the booklet for
Yxy(31.8137, 0.1868, 0.2462)
contains.

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Color

Yxy(33.2257, 0.2024, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	00A8DD
RGB	0, 168, 221
RGB Percent	0%, 66%, 87%
CMY	0.9997, 0.3412, 0.1334
CMYK	1.00, 0.24, 0.00, 0.13
HSL	194°, 100%, 43%
HSV	194°, 100%, 87%
XYZ	27.0510, 33.2257, 73.3745
YIQ	123.8100, -117.1410, -19.1330

Conversions

Conversions Part 2

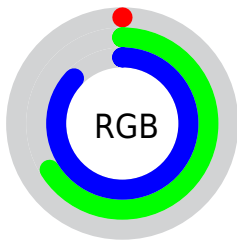
Format	Color
RYB	0, 95, 221
Decimal	43229
CIELab	64.34, -17.42, -36.82
CIELCh	64, 40.733, 244.686
Yxy	33.2257, 0.2024, 0.2486
Android (android.graphics.Color)	4278233309 (0xFF00A8DD)
YUV	123.8100, 47.9147, -108.5814
Hunter-Lab	57.6417, -17.1038, -35.1235

Details

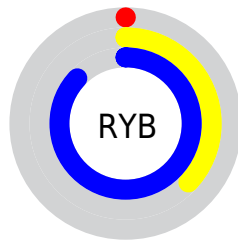
The Yxy color **33.2257, 0.2024, 0.2486** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.9186, 0.6116, 0.3525**, and the grayscale version is **19.9649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9986, 0.2312, 0.2898**, and **15.2440, 0.1968, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **33.2192, 0.2024, 0.2486**, and if you desaturate by 10%, it is **35.3955, 0.2064, 0.2574**.

Distribution



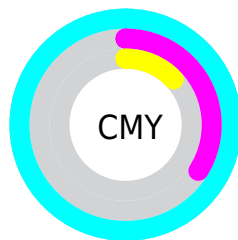
- Red (0%)
- Green (66%)
- Blue (87%)



- Red (0%)
- Yellow (37%)
- Blue (87%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2257, 0.2024, 0.2486 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 33.2257, 0.2024, 0.2486 by changing the saturation by 10% instead.


 33.2257, 0.2024,
0.2486


 33.2257, 0.2024,
0.2486


316.6655, 0.2574,
0.2910

 22.2994, 0.1891,
0.2376


 64.7277, 0.2221,
0.2644


 14.0771, 0.1725,
0.2235


 86.0723, 0.2296,
0.2702

 8.1743, 0.1514,
0.2047


 111.6583, 0.2360,
0.2751

 4.2067, 0.1239,
0.1790

 141.8703, 0.2415,
0.2792

 1.7898, 0.0884,
0.1428

 177.0927, 0.2462,
0.2828

 0.4808, 0.0057,
0.0863

217.7097, 0.2504,

 0.0000, 0.0000,

0.2859

0.0000

264.1059, 0.2541,
0.2886

■ 33.2257, 0.2024,
0.2486

■ 33.2257, 0.2024,
0.2486

■ 33.2192, 0.2024,
0.2486

■ 35.3955, 0.2064,
0.2574

■ 37.8418, 0.2121,
0.2663

■ 40.6303, 0.2198,
0.2753

■ 43.7981, 0.2294,
0.2842

■ 47.3764, 0.2407,
0.2928

■ 51.3930, 0.2535,
0.3011

■ 55.8726, 0.2675,
0.3089

■ 60.8379, 0.2822,
0.3162

■ 66.3099, 0.2974,
0.3229

Harmonies

Analogous

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



33.2257, 0.2041, 0.2913



33.2257, 0.2024, 0.2486



33.2257, 0.2258, 0.2308

Triad

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



33.2257, 0.2024, 0.2486



33.2257, 0.3971, 0.2996



33.2257, 0.3437, 0.4451

Complementary

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



33.2257, 0.2024, 0.2486



17.9186, 0.6116, 0.3525

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.



33.2257, 0.4001, 0.4333



33.2257, 0.2024, 0.2486



33.2257, 0.4350, 0.3469

Square

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



33.2257, 0.2024, 0.2486



33.2257, 0.3351, 0.2604



33.2257, 0.4349, 0.3949



33.2257, 0.2820, 0.4156

Rectangle

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



33.2257, 0.2024, 0.2486



33.2257, 0.2545, 0.2319



33.2257, 0.4349, 0.3949



33.2257, 0.3639, 0.4453

Sweetspot

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



33.2268, 0.2024, 0.2486



77.1137, 0.2671, 0.3087



51.9437, 0.2932, 0.5756



15.9263, 0.2610, 0.3054



0.0000, 0.0000, 0.0000



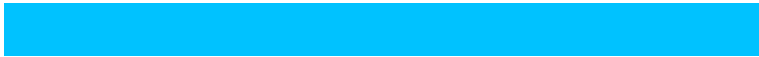
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2268, 0.2024, 0.2486



45.7387, 0.2022, 0.2479



8.3459, 0.1585, 0.0905



14.2728, 0.2982, 0.3233



19.4866, 0.2028, 0.2500



1.3923, 0.2068, 0.2643

Inverse Universe

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



18.1970, 0.3936, 0.1942



25.1485, 0.3943, 0.1946



41.2328, 0.4766, 0.4598



13.2187, 0.3174, 0.3114



10.5909, 0.3923, 0.1935



0.6992, 0.3782, 0.1857

Previews

White Background



This preview shows how the Yxy color 33.2257, 0.2024, 0.2486 looks on a white background.

Color Contrast Check

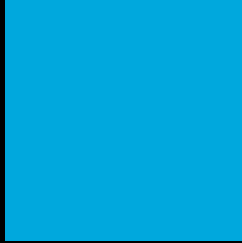
Large Text (above 18pt) WCAG AA × Fail

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 33.2257, 0.2024, 0.2486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

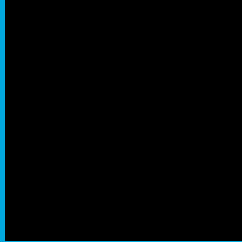
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2257, 0.2024, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 33.2257, 0.2024, 0.2486.



This preview shows how white text looks on a background with the Yxy color 33.2257, 0.2024, 0.2486.

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

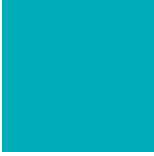
33.2257, 0.2024, 0.2486

Protanopia

32.8749, 0.2555, 0.2503

Deuteranopia

33.0050, 0.2380, 0.2326



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.2257, 0.2024, 0.2486



Protanomaly

31.3325, 0.2224, 0.2465



Deuteranomaly

31.8733, 0.2150, 0.2354



Tritanomaly

33.2493, 0.2121, 0.2836

Monochromacy



Original Color

33.2257, 0.2024, 0.2486



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.9216, 0.2418, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2257, 0.2024, 0.2486 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, 168, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 221)  
}
```

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, 168, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 221) }
```

Border

The CSS property to change the border of an element to Yxy 33.2257, 0.2024, 0.2486 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, 168, 221) }
```

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

```
.border{ border-color:rgb(0, 168, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 168, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2257, 0.2024, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 221) }
```

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

```
.background{ background-color: rgb(0, 168,  
221) }
```

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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