

Converting Colors

$Y_{xy}(31.8622, 0.1894, 0.2505)$

Have a look what the booklet for
Yxy(31.8622, 0.1894, 0.2505)
contains.

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Color

Yxy(33.0672, 0.2034, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	00A8DA
RGB	0, 168, 218
RGB Percent	0%, 66%, 85%
CMY	1.0000, 0.3411, 0.1452
CMYK	1.00, 0.23, 0.00, 0.15
HSL	194°, 100%, 43%
HSV	194°, 100%, 85%
XYZ	26.6477, 33.0672, 71.2962
YIQ	123.4680, -116.1780, -20.0660

Conversions

Conversions Part 2

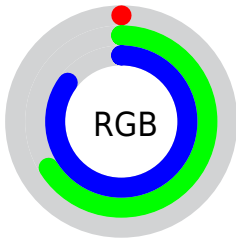
Format	Color
RYB	0, 95, 218
Decimal	43226
CIELab	64.22, -18.51, -35.37
CIELCh	64, 39.920, 242.379
Yxy	33.0672, 0.2034, 0.2524
Android (android.graphics.Color)	4278233306 (0xFF00A8DA)
YUV	123.4680, 46.6043, -108.2814
Hunter-Lab	57.5041, -17.9144, -33.2576

Details

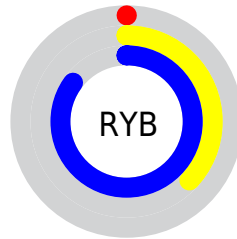
The Yxy color **33.0672, 0.2034, 0.2524** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.1812, 0.6137, 0.3509**, and the grayscale version is **19.8450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9384, 0.2309, 0.2898**, and **15.1351, 0.1981, 0.2333** is the 20% darker color. If you saturate the color by 10%, you get **33.0736, 0.2035, 0.2524**, and if you desaturate by 10%, it is **35.1227, 0.2074, 0.2608**.

Distribution



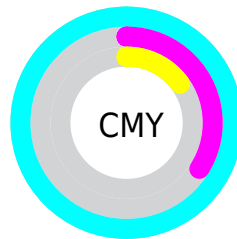
- Red (0%)
- Green (66%)
- Blue (85%)



- Red (0%)
- Yellow (37%)
- Blue (85%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (34%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0672, 0.2034, 0.2524 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 33.0672, 0.2034, 0.2524 by changing the saturation by 10% instead.

33.0672, 0.2034,
0.2524

33.0672, 0.2034,
0.2524

315.9524, 0.2580,
0.2931

22.1779, 0.1902,
0.2418

64.4804, 0.2230,
0.2676

13.9877, 0.1736,
0.2280

85.7732, 0.2305,
0.2732

8.1121, 0.1524,
0.2097

111.3025, 0.2368,
0.2779

4.1668, 0.1248,
0.1843

141.4529, 0.2422,
0.2818

1.7673, 0.0889,
0.1481

176.6087, 0.2470,
0.2852

0.4667, 0.0000,
0.0901

217.1543, 0.2511,

0.0000, 0.0000,

0.2882

0.0000

263.4741, 0.2547,
0.2908

■ 33.0672, 0.2034,
0.2524

■ 33.0672, 0.2034,
0.2524

■ 33.0736, 0.2035,
0.2524

■ 35.1227, 0.2074,
0.2608

■ 37.4335, 0.2129,
0.2693

■ 40.0691, 0.2204,
0.2778

■ 43.0654, 0.2299,
0.2862

■ 46.4526, 0.2411,
0.2944

■ 50.2571, 0.2537,
0.3023

■ 54.5029, 0.2675,
0.3098

■ 59.2118, 0.2822,
0.3168

■ 64.4041, 0.2973,
0.3232

Harmonies

Analogous

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



33.0672, 0.2070, 0.2963



33.0672, 0.2034, 0.2524



33.0672, 0.2246, 0.2329

Triad

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



33.0672, 0.2034, 0.2524



33.0672, 0.3915, 0.2968



33.0672, 0.3479, 0.4433

Complementary

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



33.0672, 0.2034, 0.2524



17.1812, 0.6137, 0.3509

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.



33.0672, 0.4022, 0.4293



33.0672, 0.2034, 0.2524



33.0672, 0.4311, 0.3431

Square

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



33.0672, 0.2034, 0.2524



33.0672, 0.3298, 0.2591



33.0672, 0.4341, 0.3906



33.0672, 0.2871, 0.4175

Rectangle

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



33.0672, 0.2034, 0.2524



33.0672, 0.2518, 0.2328



33.0672, 0.4341, 0.3906



33.0672, 0.3676, 0.4426

Sweetspot

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



33.0736, 0.2035, 0.2524



77.5824, 0.2672, 0.3096



50.3417, 0.2941, 0.5786



16.0391, 0.2612, 0.3065



0.0000, 0.0000, 0.0000



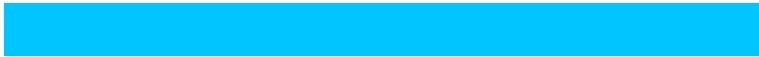
21.4041, 0.3127, 0.3290

Same Dimension

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



33.0736, 0.2035, 0.2524



46.9489, 0.2033, 0.2517



8.4806, 0.1595, 0.0942



14.2970, 0.2982, 0.3235



19.9875, 0.2038, 0.2537



1.4210, 0.2076, 0.2674

Inverse Universe

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



17.7309, 0.3898, 0.1921



25.2707, 0.3906, 0.1925



38.7545, 0.4809, 0.4564



13.2211, 0.3173, 0.3112



10.6415, 0.3886, 0.1914



0.7021, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 33.0672, 0.2034, 0.2524 looks on a white background.

Color Contrast Check

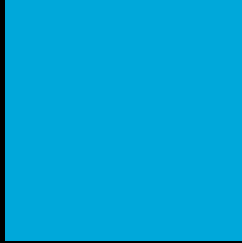
Large Text (above 18pt) WCAG AA × Fail

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 33.0672, 0.2034, 0.2524 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 33.0672, 0.2034, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 33.0672, 0.2034, 0.2524.

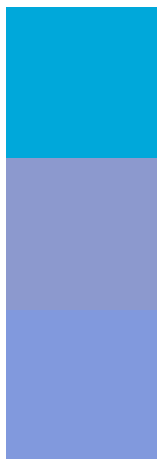


This preview shows how white text looks on a background with the Yxy color 33.0672, 0.2034, 0.2524.

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

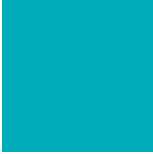
33.0672, 0.2034, 0.2524

Protanopia

32.8141, 0.2582, 0.2541

Deuteranopia

32.6701, 0.2408, 0.2348



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

33.0672, 0.2034, 0.2524



Protanomaly

31.2307, 0.2243, 0.2504



Deuteranomaly

31.4149, 0.2164, 0.2374



Tritanomaly

33.1570, 0.2129, 0.2865

Monochromacy



Original Color

33.0672, 0.2034, 0.2524



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5536, 0.2414, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0672, 0.2034, 0.2524 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 218) }
```

Border

The CSS property to change the border of an element to Yxy 33.0672, 0.2034, 0.2524 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, 218) }
```

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

```
.border{ border-color:rgb(0, 168, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0672, 0.2034, 0.2524 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, 218) }
```

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

```
.background{ background-color: rgb(0, 168,  
218) }
```

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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