

Converting Colors

$Yxy(33.2163, 0.2020, 0.2473)$

Have a look what the booklet for
Yxy(33.2163, 0.2020, 0.2473)
contains.

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Color

Yxy(33.2792, 0.2020, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	00A8DE
RGB	0, 168, 222
RGB Percent	0%, 66%, 87%
CMY	1.0000, 0.3411, 0.1294
CMYK	1.00, 0.24, 0.00, 0.13
HSL	195°, 100%, 44%
HSV	195°, 100%, 87%
XYZ	27.1832, 33.2792, 74.1078
YIQ	123.9240, -117.4620, -18.8220

Conversions

Conversions Part 2

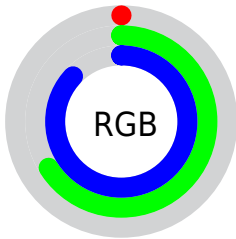
Format	Color
RYB	0, 96, 222
Decimal	43230
CIELab	64.39, -17.07, -37.33
CIELCh	64, 41.046, 245.430
Yxy	33.2792, 0.2020, 0.2473
Android (android.graphics.Color)	4278233310 (0xFF00A8DE)
YUV	123.9240, 48.3515, -108.6813
Hunter-Lab	57.6881, -16.8434, -35.7839

Details

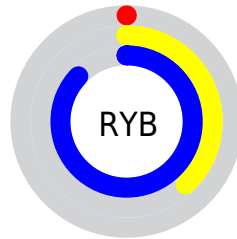
The Yxy color **33.2792, 0.2020, 0.2473** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.1706, 0.6110, 0.3530**, and the grayscale version is **19.9976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9986, 0.2312, 0.2898**, and **15.2808, 0.1964, 0.2270** is the 20% darker color. If you saturate the color by 10%, you get **33.2840, 0.2020, 0.2473**, and if you desaturate by 10%, it is **35.4927, 0.2061, 0.2563**.

Distribution



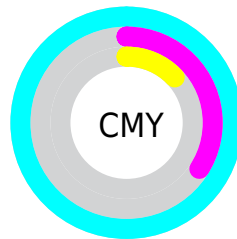
- Red (0%)
- Green (66%)
- Blue (87%)



- Red (0%)
- Yellow (38%)
- 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 33.2792, 0.2020, 0.2473 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 33.2792, 0.2020, 0.2473 by changing the saturation by 10% instead.


 33.2792, 0.2020,
0.2473


 33.2792, 0.2020,
0.2473


316.9059, 0.2571,
0.2903


 22.3404, 0.1887,
0.2362


 64.8112, 0.2218,
0.2633


 14.1072, 0.1721,
0.2219


 86.1732, 0.2293,
0.2692

 8.1953, 0.1510,
0.2030


 111.7784, 0.2357,
0.2741

 4.2202, 0.1236,
0.1772

 142.0111, 0.2412,
0.2783

 1.7975, 0.0881,
0.1410

 177.2559, 0.2460,
0.2820

 0.4856, 0.0079,
0.0850

217.8970, 0.2501,

 0.0000, 0.0000,

0.2851

0.0000

264.3189, 0.2538,
0.2879

■ 33.2792, 0.2020,
0.2473

■ 33.2792, 0.2020,
0.2473

■ 33.2840, 0.2020,
0.2473

■ 35.4927, 0.2061,
0.2563

■ 37.9839, 0.2118,
0.2653

■ 40.8232, 0.2195,
0.2744

■ 44.0482, 0.2292,
0.2834

■ 47.6907, 0.2406,
0.2922

■ 51.7785, 0.2534,
0.3006

■ 56.3369, 0.2674,
0.3086

■ 61.3888, 0.2821,
0.3160

■ 66.9555, 0.2973,
0.3228

Harmonies

Analogous

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



33.2792, 0.2030, 0.2897



33.2792, 0.2020, 0.2473



33.2792, 0.2261, 0.2301

Triad

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



33.2792, 0.2020, 0.2473



33.2792, 0.3990, 0.3005



33.2792, 0.3423, 0.4458

Complementary

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



33.2792, 0.2020, 0.2473



18.1706, 0.6110, 0.3530

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.



33.2792, 0.3994, 0.4347



33.2792, 0.2020, 0.2473



33.2792, 0.4363, 0.3482

Square

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



33.2792, 0.2020, 0.2473



33.2792, 0.3369, 0.2608



33.2792, 0.4352, 0.3964



33.2792, 0.2802, 0.4151

Rectangle

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



33.2792, 0.2020, 0.2473



33.2792, 0.2553, 0.2315



33.2792, 0.4352, 0.3964



33.2792, 0.3627, 0.4463

Sweetspot

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



33.2840, 0.2020, 0.2473



76.9610, 0.2670, 0.3084



52.4966, 0.2933, 0.5757



15.8895, 0.2610, 0.3051



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.



33.2840, 0.2020, 0.2473



45.3478, 0.2019, 0.2466



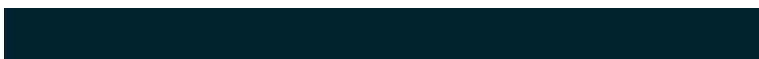
8.4237, 0.1585, 0.0904



14.9779, 0.2982, 0.3232



19.9491, 0.2024, 0.2486



1.5195, 0.2063, 0.2625

Inverse Universe

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



18.3595, 0.3949, 0.1949



25.1090, 0.3956, 0.1953



41.6592, 0.4767, 0.4597



13.8757, 0.3175, 0.3114



10.9219, 0.3936, 0.1942



0.7709, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 33.2792, 0.2020, 0.2473 looks on a white background.

Color Contrast Check

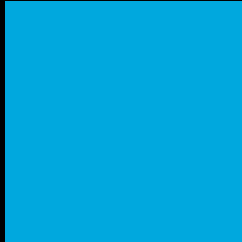
Large Text (above 18pt) WCAG AA × Fail

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 33.2792, 0.2020, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

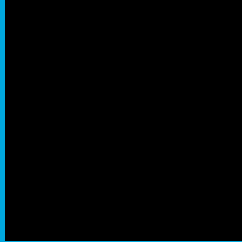
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2792, 0.2020, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 33.2792, 0.2020, 0.2473.

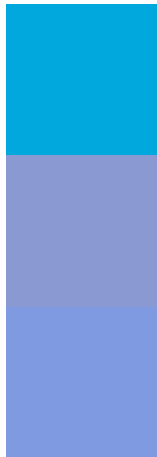


This preview shows how white text looks on a background with the Yxy color 33.2792, 0.2020, 0.2473.

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

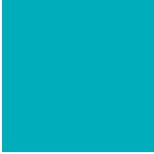
33.2792, 0.2020, 0.2473

Protanopia

32.9246, 0.2548, 0.2491

Deuteranopia

33.0595, 0.2374, 0.2315



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.2792, 0.2020, 0.2473



Protanomaly

31.3835, 0.2219, 0.2453



Deuteranomaly

31.9274, 0.2145, 0.2342



Tritanomaly

33.2493, 0.2121, 0.2836

Monochromacy



Original Color

33.2792, 0.2020, 0.2473



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.9565, 0.2411, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2792, 0.2020, 0.2473 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 222) }
```

Border

The CSS property to change the border of an element to Yxy 33.2792, 0.2020, 0.2473 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, 222) }
```

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

```
.border{ border-color:rgb(0, 168, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2792, 0.2020, 0.2473 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, 222) }
```

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

```
.background{ background-color: rgb(0, 168,  
222) }
```

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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