

Converting Colors

$Yxy(25.2267, 0.1156, 0.2659)$

Have a look what the booklet for
Yxy(25.2267, 0.1156, 0.2659)
contains.

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Color

Yxy(32.1754, 0.2103, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	00A8C8
RGB	0, 168, 200
RGB Percent	0%, 66%, 78%
CMY	0.9991, 0.3412, 0.2158
CMYK	1.00, 0.16, 0.00, 0.22
HSL	190°, 100%, 39%
HSV	190°, 100%, 78%
XYZ	24.4277, 32.1754, 59.5535
YIQ	121.4160, -110.4000, -25.6640

Conversions

Conversions Part 2

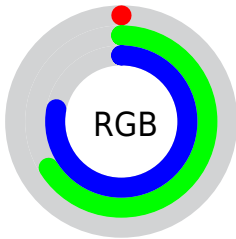
Format	Color
RYB	0, 91, 200
Decimal	43208
CIELab	63.49, -24.72, -26.51
CIElCh	63, 36.252, 227.001
Yxy	32.1754, 0.2103, 0.2770
Android (android.graphics.Color)	4278233288 (0xFF00A8C8)
YUV	121.4160, 38.7419, -106.4818
Hunter-Lab	56.7234, -22.3954, -22.5419

Details

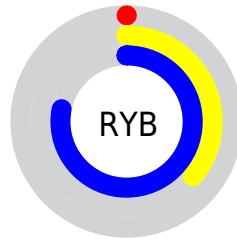
The Yxy color **32.1754, 0.2103, 0.2770** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.3217, 0.6248, 0.3420**, and the grayscale version is **19.1846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7621, 0.2299, 0.2897**, and **14.5661, 0.2064, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **32.1611, 0.2103, 0.2769**, and if you desaturate by 10%, it is **33.5230, 0.2135, 0.2826**.

Distribution



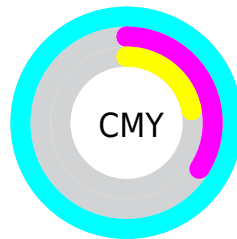
- Red (0%)
- Green (66%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1754, 0.2103, 0.2770 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 32.1754, 0.2103, 0.2770 by changing the saturation by 10% instead.


 32.1754, 0.2103,
0.2770


 32.1754, 0.2103,
0.2770


311.9175, 0.2621,
0.3058

 21.4955, 0.1974,
0.2690


 63.0860, 0.2291,
0.2881

 13.4867, 0.1811,
0.2583


 84.0854, 0.2362,
0.2921

 7.7645, 0.1599,
0.2434


 109.2935, 0.2422,
0.2954

 3.9446, 0.1315,
0.2215

 139.0947, 0.2473,
0.2981

 1.6426, 0.0931,
0.1876

 173.8732, 0.2518,
0.3005

 0.3861, 0.0000,
0.1155

214.0136, 0.2557,

 0.0000, 0.0000,

0.3025

0.0000

259.9002, 0.2591,
0.3043

■ 32.1754, 0.2103,
0.2770

■ 32.1754, 0.2103,
0.2770

■ 32.1611, 0.2103,
0.2769

■ 33.5230, 0.2135,
0.2826

■ 35.0537, 0.2181,
0.2883

■ 36.8213, 0.2247,
0.2941

■ 38.8543, 0.2332,
0.2997

■ 41.1763, 0.2435,
0.3053

■ 43.8085, 0.2554,
0.3107

■ 46.7698, 0.2686,
0.3158

■ 50.0775, 0.2827,
0.3206

■ 53.7475, 0.2976,
0.3250

Harmonies

Analogous

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



32.1754, 0.2262, 0.3277



32.1754, 0.2103, 0.2770



32.1754, 0.2183, 0.2469

Triad

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



32.1754, 0.2103, 0.2770



32.1754, 0.3573, 0.2801



32.1754, 0.3730, 0.4312

Complementary

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



32.1754, 0.2103, 0.2770



13.3217, 0.6248, 0.3420

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.



32.1754, 0.4137, 0.4056



32.1754, 0.2103, 0.2770



32.1754, 0.4062, 0.3201

Square

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



32.1754, 0.2103, 0.2770



32.1754, 0.2987, 0.2513



32.1754, 0.4271, 0.3646



32.1754, 0.3182, 0.4263

Rectangle

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



32.1754, 0.2103, 0.2770



32.1754, 0.2364, 0.2393



32.1754, 0.4271, 0.3646



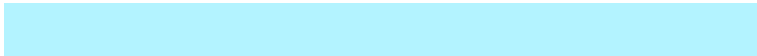
32.1754, 0.3889, 0.4254

Sweetspot

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



32.1765, 0.2103, 0.2770



80.6975, 0.2678, 0.3155



41.3954, 0.2967, 0.5879



16.7908, 0.2621, 0.3134



0.0000, 0.0000, 0.0000



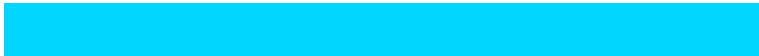
21.4041, 0.3127, 0.3290

Same Dimension

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



32.1765, 0.2103, 0.2770



55.4021, 0.2101, 0.2761



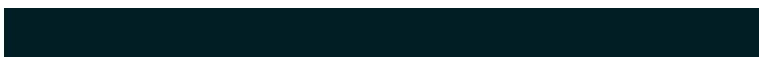
8.5693, 0.1644, 0.1116



11.7672, 0.2984, 0.3252



20.5634, 0.2105, 0.2777



1.0533, 0.2138, 0.2895

Inverse Universe

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



15.1089, 0.3662, 0.1792



26.1240, 0.3670, 0.1796



28.2608, 0.4981, 0.4426



10.7863, 0.3162, 0.3098



9.6159, 0.3656, 0.1787



0.4634, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 32.1754, 0.2103, 0.2770 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 32.1754, 0.2103, 0.2770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

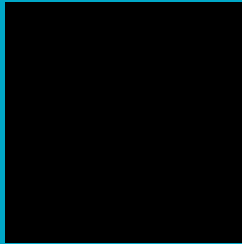
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1754, 0.2103, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 32.1754, 0.2103, 0.2770.

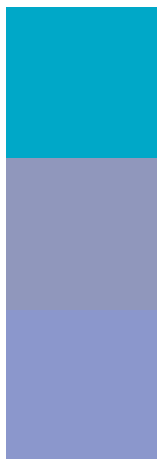


This preview shows how white text looks on a background with the Yxy color 32.1754, 0.2103, 0.2770.

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

32.1754, 0.2103, 0.2770

Protanopia

31.6933, 0.2743, 0.2747

Deuteranopia

31.9818, 0.2585, 0.2535

Trichromacy



Original Color

32.1754, 0.2103, 0.2770

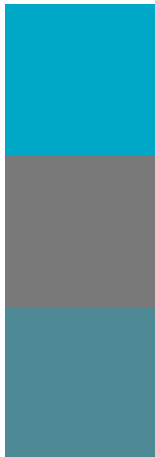
Protanomaly

30.1950, 0.2351, 0.2732

Deuteranomaly

30.5496, 0.2275, 0.2578

Monochromacy



Original Color

32.1754, 0.2103, 0.2770

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

21.9567, 0.2460, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1754, 0.2103, 0.2770 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 200) }
```

Border

The CSS property to change the border of an element to Yxy 32.1754, 0.2103, 0.2770 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, 200) }
```

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

```
.border{ border-color:rgb(0, 168, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
200) }
```

Background

The CSS property to change the background color of an element to Yxy 32.1754, 0.2103, 0.2770 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, 200) }
```

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

```
.background{ background-color: rgb(0, 168,  
200) }
```

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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