

Converting Colors

$Y_{xy}(32.8094, 0.2053, 0.2589)$

Have a look what the booklet for
Yxy(32.8094, 0.2053, 0.2589)
contains.

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Color

Yxy(32.8158, 0.2053, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	01A8D5
RGB	1, 168, 213
RGB Percent	0%, 66%, 84%
CMY	0.9973, 0.3411, 0.1647
CMYK	1.00, 0.21, 0.00, 0.16
HSL	193°, 99%, 42%
HSV	193°, 100%, 84%
XYZ	26.0220, 32.8158, 67.9131
YIQ	123.1970, -113.9770, -21.4090

Conversions

Conversions Part 2

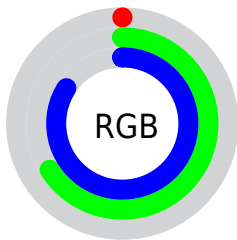
Format	Color
RYB	1, 94, 213
Decimal	108757
CIELab	64.01, -20.21, -32.93
CIELCh	64, 38.638, 238.461
Yxy	32.8158, 0.2053, 0.2589
Android (android.graphics.Color)	4278298837 (0xFF01A8D5)
YUV	123.1970, 44.2729, -107.1668
Hunter-Lab	57.2851, -19.1646, -30.1905

Details

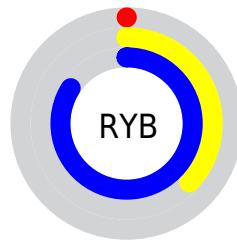
The Yxy color **32.8158, 0.2053, 0.2589** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.0767, 0.6161, 0.3487**, and the grayscale version is **19.7240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8789, 0.2305, 0.2897**, and **14.9594, 0.2004, 0.2414** is the 20% darker color. If you saturate the color by 10%, you get **32.7589, 0.2052, 0.2587**, and if you desaturate by 10%, it is **34.6788, 0.2090, 0.2666**.

Distribution



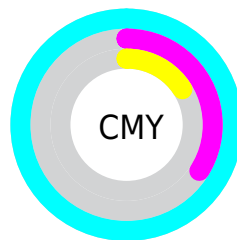
- Red (0%)
- Green (66%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8158, 0.2053, 0.2589 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 32.8158, 0.2053, 0.2589 by changing the saturation by 10% instead.


 32.8158, 0.2053,
0.2589


 32.8158, 0.2053,
0.2589


314.8189, 0.2591,
0.2965

 21.9854, 0.1922,
0.2489


 64.0878, 0.2247,
0.2731


 13.8462, 0.1757,
0.2359


 85.2982, 0.2321,
0.2782

 8.0137, 0.1544,
0.2183


 110.7374, 0.2383,
0.2826

 4.1037, 0.1266,
0.1936

 140.7898, 0.2436,
0.2862

 1.7318, 0.0900,
0.1577

 175.8397, 0.2483,
0.2893

 0.4441, 0.0000,
0.0962

216.2716, 0.2524,

 0.0000, 0.0000,

0.2921

0.0000

262.4699, 0.2560,
0.2944

■ 32.8158, 0.2053,
0.2589

■ 32.8158, 0.2053,
0.2589

■ 32.7589, 0.2052,
0.2587

■ 34.6788, 0.2090,
0.2666

■ 36.7824, 0.2144,
0.2744

■ 39.1856, 0.2218,
0.2822

■ 41.9217, 0.2310,
0.2899

■ 45.0189, 0.2420,
0.2974

■ 48.5021, 0.2545,
0.3047

■ 52.3936, 0.2682,
0.3115

■ 56.7138, 0.2828,
0.3179

■ 61.4817, 0.2979,
0.3238

Harmonies

Analogous

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



32.8158, 0.2122, 0.3047



32.8158, 0.2053, 0.2589



32.8158, 0.2229, 0.2367

Triad

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



32.8158, 0.2053, 0.2589



32.8158, 0.3821, 0.2924



32.8158, 0.3548, 0.4400

Complementary

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



32.8158, 0.2053, 0.2589



16.0767, 0.6161, 0.3487

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.



32.8158, 0.4054, 0.4227



32.8158, 0.2053, 0.2589



32.8158, 0.4244, 0.3369

Square

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



32.8158, 0.2053, 0.2589



32.8158, 0.3212, 0.2570



32.8158, 0.4324, 0.3834



32.8158, 0.2955, 0.4201

Rectangle

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



32.8158, 0.2053, 0.2589



32.8158, 0.2475, 0.2346



32.8158, 0.4324, 0.3834



32.8158, 0.3734, 0.4378

Sweetspot

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



32.8169, 0.2053, 0.2589



78.3536, 0.2673, 0.3111



47.7687, 0.2947, 0.5808



16.2248, 0.2614, 0.3082



0.0000, 0.0000, 0.0000



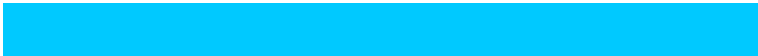
21.4041, 0.3127, 0.3290

Same Dimension

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



32.8169, 0.2053, 0.2589



48.9757, 0.2050, 0.2579



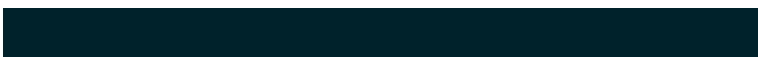
8.5184, 0.1608, 0.0988



13.6403, 0.2982, 0.3239



20.1635, 0.2055, 0.2598



1.3304, 0.2092, 0.2731

Inverse Universe

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



16.9886, 0.3835, 0.1887



25.4753, 0.3845, 0.1892



35.7396, 0.4848, 0.4531



12.5855, 0.3170, 0.3108



10.3804, 0.3826, 0.1881



0.6376, 0.3699, 0.1811

Previews

White Background



This preview shows how the Yxy color 32.8158, 0.2053, 0.2589 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 32.8158, 0.2053, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

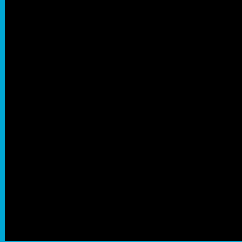
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8158, 0.2053, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 32.8158, 0.2053, 0.2589.

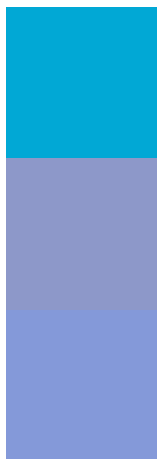


This preview shows how white text looks on a background with the Yxy color 32.8158, 0.2053, 0.2589.

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

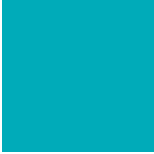
32.8158, 0.2053, 0.2589

Protanopia

32.3362, 0.2623, 0.2590

Deuteranopia

32.6978, 0.2452, 0.2399



Tritanopia

32.6286, 0.2181, 0.3052

Trichromacy



Original Color

32.8158, 0.2053, 0.2589



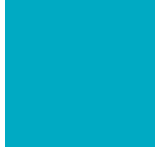
Protanomaly

31.0352, 0.2273, 0.2569



Deuteranomaly

31.2964, 0.2191, 0.2424



Tritanomaly

32.6896, 0.2133, 0.2878

Monochromacy



Original Color

32.8158, 0.2053, 0.2589



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5278, 0.2435, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8158, 0.2053, 0.2589 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(1, 168, 213)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 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(1, 168, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 213) }
```

Border

The CSS property to change the border of an element to Yxy 32.8158, 0.2053, 0.2589 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(1, 168, 213) }
```

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

```
.border{ border-color:rgb(1, 168, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 213);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8158, 0.2053, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 213) }
```

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

```
.background{ background-color: rgb(1, 168,  
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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