

Converting Colors

$Yxy(32.9427, 0.2073, 0.2656)$

Have a look what the booklet for
Yxy(32.9427, 0.2073, 0.2656)
contains.

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Color

Yxy(32.9987, 0.2074, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	03A9D1
RGB	3, 169, 209
RGB Percent	1%, 66%, 82%
CMY	0.9897, 0.3372, 0.1804
CMYK	0.99, 0.19, 0.00, 0.18
HSL	192°, 98%, 41%
HSV	192°, 99%, 82%
XYZ	25.7291, 32.9987, 65.3275
YIQ	123.9260, -111.7760, -22.7520

Conversions

Conversions Part 2

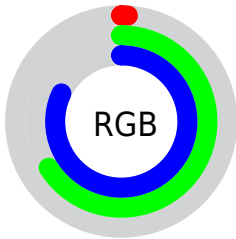
Format	Color
RYB	3, 95, 209
Decimal	240081
CIELab	64.16, -22.07, -30.48
CIELCh	64, 37.631, 234.087
Yxy	32.9987, 0.2074, 0.2660
Android (android.graphics.Color)	4278430161 (0xFF03A9D1)
YUV	123.9260, 41.9415, -106.0521
Hunter-Lab	57.4445, -20.5787, -27.2151

Details

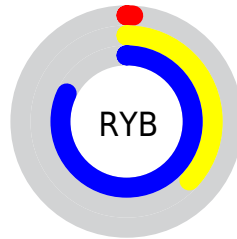
The Yxy color **32.9987, 0.2074, 0.2660** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.2587, 0.6171, 0.3468**, and the grayscale version is **19.9784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4149, 0.2308, 0.2910**, and **15.0557, 0.2029, 0.2506** is the 20% darker color. If you saturate the color by 10%, you get **32.7940, 0.2070, 0.2651**, and if you desaturate by 10%, it is **34.7014, 0.2110, 0.2730**.

Distribution



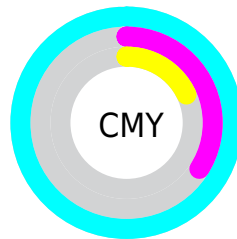
- Red (1%)
- Green (66%)
- Blue (82%)



- Red (1%)
- Yellow (37%)
- Blue (82%)



- Cyan (99%)
- Magenta (19%)
- Yellow (0%)
- Black (18%)




- Cyan (99%)
- Magenta (34%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9987, 0.2074, 0.2660 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 32.9987, 0.2074, 0.2660 by changing the saturation by 10% instead.


 32.9987, 0.2074,
0.2660


 32.9987, 0.2074,
0.2660


315.6439, 0.2603,
0.3001

 22.1255, 0.1945,
0.2568


 64.3735, 0.2265,
0.2789

 13.9491, 0.1781,
0.2447

 85.6438, 0.2337,
0.2836

 8.0853, 0.1570,
0.2282


 111.1487, 0.2398,
0.2876

 4.1496, 0.1293,
0.2048

 141.2724, 0.2451,
0.2909

 1.7576, 0.0924,
0.1698

 176.3993, 0.2496,
0.2937

 0.4605, 0.0000,
0.1086

216.9140, 0.2536,

 0.0000, 0.0000,

0.2961

0.0000

263.2007, 0.2572,
0.2983

■ 32.9987, 0.2074,
0.2660

■ 32.9987, 0.2074,
0.2660

■ 32.7940, 0.2070,
0.2651

■ 34.7014, 0.2110,
0.2730

■ 36.6349, 0.2164,
0.2800

■ 38.8495, 0.2236,
0.2871

■ 41.3760, 0.2328,
0.2941

■ 44.2410, 0.2437,
0.3009

■ 47.4678, 0.2561,
0.3074

■ 51.0774, 0.2697,
0.3136

■ 55.0891, 0.2842,
0.3194

■ 59.5206, 0.2993,
0.3247

Harmonies

Analogous

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



32.9987, 0.2178, 0.3137



32.9987, 0.2074, 0.2660



32.9987, 0.2212, 0.2408

Triad

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



32.9987, 0.2074, 0.2660



32.9987, 0.3722, 0.2876



32.9987, 0.3619, 0.4364

Complementary

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



32.9987, 0.2074, 0.2660



15.2587, 0.6171, 0.3468

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.



32.9987, 0.4087, 0.4158



32.9987, 0.2074, 0.2660



32.9987, 0.4172, 0.3303

Square

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



32.9987, 0.2074, 0.2660



32.9987, 0.3122, 0.2549



32.9987, 0.4302, 0.3759



32.9987, 0.3045, 0.4226

Rectangle

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



32.9987, 0.2074, 0.2660



32.9987, 0.2432, 0.2365



32.9987, 0.4302, 0.3759



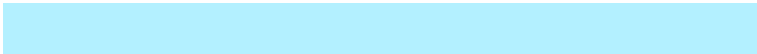
32.9987, 0.3795, 0.4327

Sweetspot

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



32.9998, 0.2074, 0.2660



79.1703, 0.2675, 0.3126



45.7691, 0.2953, 0.5819



16.4218, 0.2616, 0.3100



0.0000, 0.0000, 0.0000



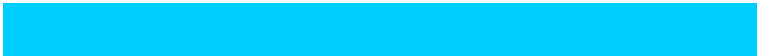
21.4041, 0.3127, 0.3290

Same Dimension

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



32.9998, 0.2074, 0.2660



51.1698, 0.2068, 0.2643



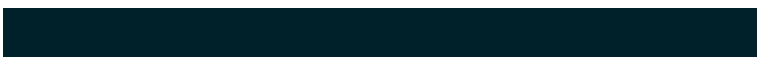
8.7510, 0.1627, 0.1046



13.0016, 0.2983, 0.3244



20.3610, 0.2073, 0.2661



1.2406, 0.2108, 0.2789

Inverse Universe

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



16.4758, 0.3766, 0.1853



25.6968, 0.3782, 0.1857



33.3975, 0.4880, 0.4499



11.9681, 0.3167, 0.3105



10.1267, 0.3765, 0.1848



0.5765, 0.3645, 0.1781

Previews

White Background



This preview shows how the Yxy color 32.9987, 0.2074, 0.2660 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 32.9987, 0.2074, 0.2660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

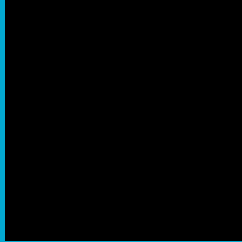
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9987, 0.2074, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 32.9987, 0.2074, 0.2660.



This preview shows how white text looks on a background with the Yxy color 32.9987, 0.2074, 0.2660.

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

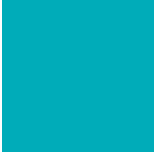
32.9987, 0.2074, 0.2660

Protanopia

32.6533, 0.2670, 0.2658

Deuteranopia

32.8208, 0.2506, 0.2451



Tritanopia

33.0078, 0.2186, 0.3069

Trichromacy



Original Color

32.9987, 0.2074, 0.2660



Protanomaly

31.2886, 0.2308, 0.2640



Deuteranomaly

31.6244, 0.2232, 0.2493



Tritanomaly

33.0273, 0.2143, 0.2911

Monochromacy



Original Color

32.9987, 0.2074, 0.2660



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.8282, 0.2452, 0.3009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9987, 0.2074, 0.2660 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(3, 169, 209)` looks like.

```
.text, #text, p{  
    color:rgb(3, 169, 209)  
}
```

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(3, 169, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 169, 209) }
```

Border

The CSS property to change the border of an element to Yxy 32.9987, 0.2074, 0.2660 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(3, 169, 209) }
```

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

```
.border{ border-color:rgb(3, 169, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 169, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 169, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 169, 209);  
box-shadow:4px 4px 4px 4px rgb(3, 169,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9987, 0.2074, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 169, 209) }
```

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

```
.background{ background-color: rgb(3, 169,  
209) }
```

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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