

Converting Colors

$Yxy(25.4924, 0.1187, 0.2455)$

Have a look what the booklet for
Yxy(25.4924, 0.1187, 0.2455)
contains.

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Color

Yxy(32.3406, 0.2055, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	00A7D3
RGB	0, 167, 211
RGB Percent	0%, 65%, 83%
CMY	1.0000, 0.3451, 0.1725
CMYK	1.00, 0.21, 0.00, 0.17
HSL	193°, 100%, 41%
HSV	193°, 100%, 83%
XYZ	25.5713, 32.3406, 66.5228
YIQ	122.0830, -113.6560, -21.7200

Conversions

Conversions Part 2

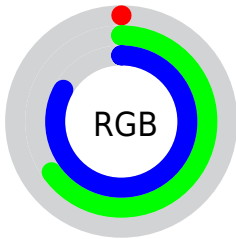
Format	Color
RYB	0, 93, 211
Decimal	42963
CIELab	63.62, -20.42, -32.43
CIELCh	64, 38.321, 237.796
Yxy	32.3406, 0.2055, 0.2599
Android (android.graphics.Color)	4278233043 (0xFF00A7D3)
YUV	122.0830, 43.8361, -107.0668
Hunter-Lab	56.8688, -19.2569, -29.5469

Details

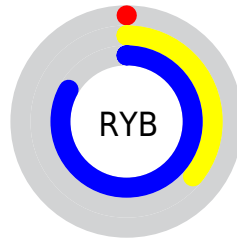
The Yxy color **32.3406, 0.2055, 0.2599** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.6496, 0.6174, 0.3480**, and the grayscale version is **19.3751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3461, 0.2303, 0.2885**, and **14.6618, 0.2007, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **32.3451, 0.2055, 0.2599**, and if you desaturate by 10%, it is **34.1451, 0.2092, 0.2675**.

Distribution



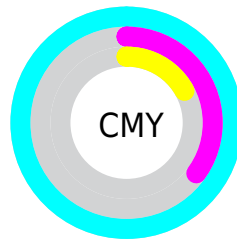
- Red (0%)
- Green (65%)
- Blue (83%)



- Red (0%)
- Yellow (36%)
- Blue (83%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (17%)




- Cyan (100%)
- Magenta (35%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3406, 0.2055, 0.2599 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 32.3406, 0.2055, 0.2599 by changing the saturation by 10% instead.


 32.3406, 0.2055,
0.2599


 32.3406, 0.2055,
0.2599


312.6679, 0.2594,
0.2971

 21.6218, 0.1923,
0.2500


 63.3447, 0.2250,
0.2739


 13.5793, 0.1757,
0.2370


 84.3987, 0.2323,
0.2791


 7.8286, 0.1543,
0.2194


 109.6666, 0.2386,
0.2833

 3.9855, 0.1262,
0.1945

 139.5328, 0.2439,
0.2870

 1.6654, 0.0891,
0.1582

 174.3816, 0.2486,
0.2900

 0.4011, 0.0000,
0.0920

214.5974, 0.2526,

 0.0000, 0.0000,

0.2927

0.0000

260.5647, 0.2562,
0.2951

■ 32.3406, 0.2055,
0.2599

■ 32.3406, 0.2055,
0.2599

■ 32.3451, 0.2055,
0.2599

■ 34.1451, 0.2092,
0.2675

■ 36.1759, 0.2145,
0.2751

■ 38.4968, 0.2217,
0.2827

■ 41.1406, 0.2309,
0.2903

■ 44.1349, 0.2418,
0.2977

■ 47.5042, 0.2542,
0.3049

■ 51.2701, 0.2678,
0.3116

■ 55.4528, 0.2823,
0.3179

■ 60.0709, 0.2974,
0.3237

Harmonies

Analogous

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



32.3406, 0.2129, 0.3060



32.3406, 0.2055, 0.2599



32.3406, 0.2225, 0.2372

Triad

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



32.3406, 0.2055, 0.2599



32.3406, 0.3806, 0.2916



32.3406, 0.3559, 0.4396

Complementary

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



32.3406, 0.2055, 0.2599



15.6496, 0.6174, 0.3480

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.



32.3406, 0.4061, 0.4218



32.3406, 0.2055, 0.2599



32.3406, 0.4235, 0.3359

Square

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



32.3406, 0.2055, 0.2599



32.3406, 0.3198, 0.2566



32.3406, 0.4322, 0.3823



32.3406, 0.2969, 0.4206

Rectangle

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



32.3406, 0.2055, 0.2599



32.3406, 0.2468, 0.2348



32.3406, 0.4322, 0.3823



32.3406, 0.3744, 0.4372

Sweetspot

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



32.3451, 0.2055, 0.2599



78.5073, 0.2674, 0.3114



46.7578, 0.2948, 0.5811



16.2619, 0.2614, 0.3086



0.0000, 0.0000, 0.0000



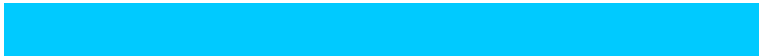
21.4041, 0.3127, 0.3290

Same Dimension

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



32.3451, 0.2055, 0.2599



49.3850, 0.2053, 0.2591



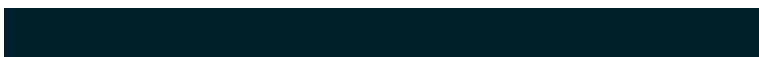
8.2916, 0.1606, 0.0983



12.9711, 0.2983, 0.3240



19.6718, 0.2059, 0.2611



1.2076, 0.2097, 0.2749

Inverse Universe

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



16.6395, 0.3825, 0.1881



25.5166, 0.3833, 0.1885



34.9352, 0.4851, 0.4530



11.9651, 0.3169, 0.3108



10.0571, 0.3814, 0.1875



0.5732, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 32.3406, 0.2055, 0.2599 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 32.3406, 0.2055, 0.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

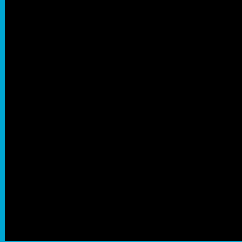
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3406, 0.2055, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 32.3406, 0.2055, 0.2599.



This preview shows how white text looks on a background with the Yxy color 32.3406, 0.2055, 0.2599.

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

32.3406, 0.2055, 0.2599

Protanopia

31.8322, 0.2628, 0.2598

Deuteranopia

31.9450, 0.2460, 0.2393



Tritanopia

32.2101, 0.2181, 0.3051

Trichromacy



Original Color

32.3406, 0.2055, 0.2599



Protanomaly

30.5496, 0.2275, 0.2578



Deuteranomaly

30.8538, 0.2196, 0.2433



Tritanomaly

32.2710, 0.2132, 0.2876

Monochromacy



Original Color

32.3406, 0.2055, 0.2599



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.1298, 0.2438, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3406, 0.2055, 0.2599 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, 167, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 211)  
}
```

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, 167, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 211) }
```

Border

The CSS property to change the border of an element to Yxy 32.3406, 0.2055, 0.2599 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, 167, 211) }
```

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

```
.border{ border-color:rgb(0, 167, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3406, 0.2055, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 211) }
```

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

```
.background{ background-color: rgb(0, 167,  
211) }
```

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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