

Converting Colors

$Y_{xy}(22.9346, 0.1334, 0.2248)$

Have a look what the booklet for
Yxy(22.9346, 0.1334, 0.2248)
contains.

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Color

Yxy(28.1458, 0.1999, 0.2396)

Conversions

Conversions Part 1

Format	Color
Hex	009BD3
RGB	0, 155, 211
RGB Percent	0%, 61%, 83%
CMY	0.9997, 0.3922, 0.1724
CMYK	1.00, 0.27, 0.00, 0.17
HSL	196°, 100%, 41%
HSV	196°, 100%, 83%
XYZ	23.4822, 28.1458, 65.8419
YIQ	115.0390, -110.3560, -15.4440

Conversions

Conversions Part 2

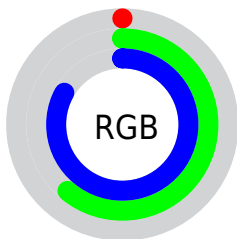
Format	Color
RYB	0, 89, 211
Decimal	39891
CIELab	60.02, -13.93, -38.06
CIELCh	60, 40.527, 249.892
Yxy	28.1458, 0.1999, 0.2396
Android (android.graphics.Color)	4278229971 (0xFF009BD3)
YUV	115.0390, 47.3088, -100.8892
Hunter-Lab	53.0526, -13.8341, -36.4461

Details

The Yxy color **28.1458, 0.1999, 0.2396** 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 **16.6915, 0.6056, 0.3573**, and the grayscale version is **17.0428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6457, 0.2261, 0.2716**, and **12.3009, 0.1938, 0.2177** is the 20% darker color. If you saturate the color by 10%, you get **28.1403, 0.1999, 0.2396**, and if you desaturate by 10%, it is **30.2168, 0.2043, 0.2494**.

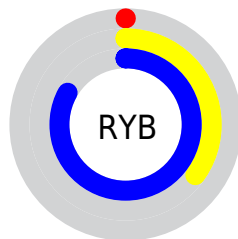
Distribution



Red (0%)

Green (61%)

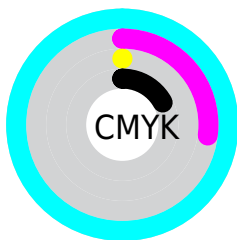
Blue (83%)



Red (0%)

Yellow (35%)

Blue (83%)

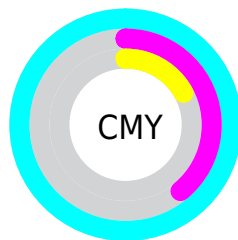


Cyan (100%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (100%)


Magenta (39%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1458, 0.1999, 0.2396 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 28.1458, 0.1999, 0.2396 by changing the saturation by 10% instead.

 28.1458, 0.1999,
0.2396


 28.1458, 0.1999,
0.2396


293.1629, 0.2575,
0.2874


 18.4356, 0.1856,
0.2270


 56.7171, 0.2209,
0.2575

 11.2632, 0.1676,
0.2108

 76.3471, 0.2288,
0.2641

 6.2441, 0.1444,
0.1890


 100.0523, 0.2354,
0.2696

 2.9941, 0.1141,
0.1591

 128.2174, 0.2411,
0.2743

 1.1287, 0.0744,
0.1175

 161.2266, 0.2461,
0.2783

 0.0022, 0.0000,
0.0006

199.4643, 0.2504,

 0.0000, 0.0000,

0.2817

0.0000

243.3149, 0.2542,
0.2847

■ 28.1458, 0.1999,
0.2396

■ 28.1458, 0.1999,
0.2396

■ 28.1403, 0.1999,
0.2396

■ 30.2168, 0.2043,
0.2494

■ 32.5504, 0.2104,
0.2594

■ 35.2074, 0.2185,
0.2694

■ 38.2210, 0.2284,
0.2793

■ 41.6194, 0.2401,
0.2889

■ 45.4276, 0.2532,
0.2981

■ 49.6679, 0.2673,
0.3068

■ 54.3609, 0.2822,
0.3149

■ 59.5257, 0.2974,
0.3223

Harmonies

Analogous

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



28.1458, 0.1970, 0.2795



28.1458, 0.1999, 0.2396



28.1458, 0.2285, 0.2257

Triad

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



28.1458, 0.1999, 0.2396



28.1458, 0.4108, 0.3062



28.1458, 0.3334, 0.4494

Complementary

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



28.1458, 0.1999, 0.2396



16.6915, 0.6056, 0.3573

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.



28.1458, 0.3948, 0.4430



28.1458, 0.1999, 0.2396



28.1458, 0.4442, 0.3561

Square

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



28.1458, 0.1999, 0.2396



28.1458, 0.3482, 0.2634



28.1458, 0.4367, 0.4055



28.1458, 0.2697, 0.4109

Rectangle

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



28.1458, 0.1999, 0.2396



28.1458, 0.2610, 0.2295



28.1458, 0.4367, 0.4055



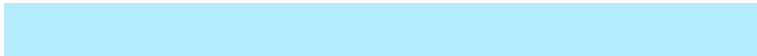
28.1458, 0.3550, 0.4520

Sweetspot

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



28.1467, 0.1999, 0.2396



75.9785, 0.2668, 0.3065



46.8589, 0.2922, 0.5720



15.6533, 0.2607, 0.3028



0.0000, 0.0000, 0.0000



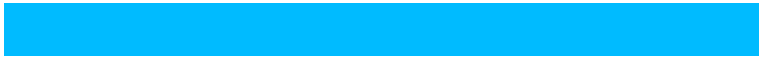
21.4041, 0.3127, 0.3290

Same Dimension

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



28.1467, 0.1999, 0.2396



42.8756, 0.1996, 0.2385



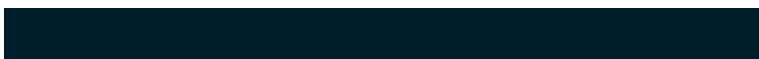
7.2338, 0.1577, 0.0876



12.8536, 0.2983, 0.3227



17.1532, 0.2003, 0.2411



1.0854, 0.2053, 0.2591

Inverse Universe

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



16.2212, 0.4027, 0.1992



24.8595, 0.4038, 0.1998



38.4059, 0.4722, 0.4632



11.9532, 0.3178, 0.3121



9.8029, 0.4012, 0.1984



0.5609, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 28.1458, 0.1999, 0.2396 looks on a white background.

Color Contrast Check

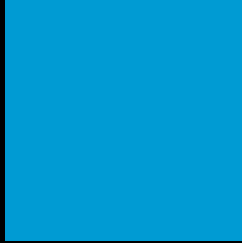
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1458, 0.1999, 0.2396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

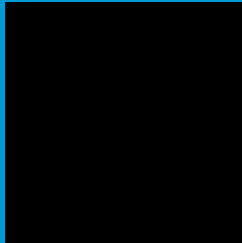
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1458, 0.1999, 0.2396

Background



This preview shows how black text looks on a background with the Yxy color 28.1458, 0.1999, 0.2396.

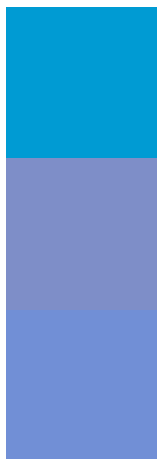


This preview shows how white text looks on a background with the Yxy color 28.1458, 0.1999, 0.2396.

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

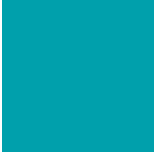
28.1458, 0.1999, 0.2396

Protanopia

27.9518, 0.2492, 0.2427

Deuteranopia

28.0107, 0.2315, 0.2254



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.1458, 0.1999, 0.2396

Protanomaly

26.9325, 0.2188, 0.2392

Deuteranomaly

27.0493, 0.2110, 0.2273

Tritanomaly

27.9989, 0.2112, 0.2804

Monochromacy



Original Color

28.1458, 0.1999, 0.2396

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.5837, 0.2402, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1458, 0.1999, 0.2396 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, 155, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 211) }
```

Border

The CSS property to change the border of an element to Yxy 28.1458, 0.1999, 0.2396 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, 155, 211) }
```

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

```
.border{ border-color:rgb(0, 155, 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, 155, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1458, 0.1999, 0.2396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 211) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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