

Converting Colors

$Yxy(28.6366, 0.1982, 0.2334)$

Have a look what the booklet for
Yxy(28.6366, 0.1982, 0.2334)
contains.

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Color

Yxy(28.7867, 0.1983, 0.2338)

Conversions

Conversions Part 1

Format	Color
Hex	009CD9
RGB	0, 156, 217
RGB Percent	0%, 61%, 85%
CMY	0.9991, 0.3882, 0.1490
CMYK	1.00, 0.28, 0.00, 0.15
HSL	197°, 100%, 43%
HSV	197°, 100%, 85%
XYZ	24.4158, 28.7867, 69.9229
YIQ	116.3100, -112.5570, -14.1010

Conversions

Conversions Part 2

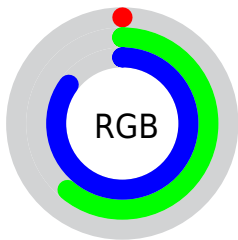
Format	Color
RYB	0, 91, 217
Decimal	40153
CIELab	60.59, -12.30, -40.49
CIELCh	61, 42.320, 253.106
Yxy	28.7867, 0.1983, 0.2338
Android (android.graphics.Color)	4278230233 (0xFF009CD9)
YUV	116.3100, 49.6402, -102.0039
Hunter-Lab	53.6532, -12.6639, -39.7116

Details

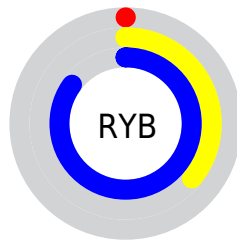
The Yxy color **28.7867, 0.1983, 0.2338** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.1187, 0.6021, 0.3600**, and the grayscale version is **17.4585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1968, 0.2268, 0.2730**, and **12.7118, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **28.7636, 0.1983, 0.2337**, and if you desaturate by 10%, it is **31.0578, 0.2029, 0.2443**.

Distribution



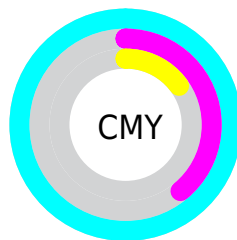
- Red (0%)
- Green (61%)
- Blue (85%)



- Red (0%)
- Yellow (36%)
- Blue (85%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.7867, 0.1983, 0.2338 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 28.7867, 0.1983, 0.2338 by changing the saturation by 10% instead.

■ 28.7867, 0.1983,
0.2338

■ 28.7867, 0.1983,
0.2338

■ 296.2072, 0.2564,
0.2841

■ 18.9195, 0.1841,
0.2208

■ 57.7380, 0.2193,
0.2525

■ 11.6121, 0.1661,
0.2041

■ 77.5910, 0.2273,
0.2594

■ 6.4802, 0.1432,
0.1821

■ 101.5413, 0.2340,
0.2652

■ 3.1392, 0.1135,
0.1523

■ 129.9733, 0.2398,
0.2701

■ 1.2048, 0.0755,
0.1118

■ 163.2716, 0.2448,
0.2744

■ 0.0656, 0.0000,
0.0144

201.8204, 0.2491,

■ 0.0000, 0.0000,

0.2780

0.0000

246.0041, 0.2530,
0.2813

■ 28.7867, 0.1983,
0.2338

■ 28.7867, 0.1983,
0.2338

■ 28.7636, 0.1983,
0.2337

■ 31.0578, 0.2029,
0.2443

■ 33.6219, 0.2092,
0.2549

■ 36.5423, 0.2175,
0.2656

■ 39.8549, 0.2277,
0.2761

■ 43.5902, 0.2396,
0.2864

■ 47.7751, 0.2529,
0.2962

■ 52.4338, 0.2672,
0.3055

■ 57.5885, 0.2822,
0.3140

■ 63.2598, 0.2975,
0.3219

Harmonies

Analogous

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



28.7867, 0.1923, 0.2717



28.7867, 0.1983, 0.2338



28.7867, 0.2304, 0.2224

Triad

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



28.7867, 0.1983, 0.2338



28.7867, 0.4200, 0.3105



28.7867, 0.3265, 0.4522

Complementary

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



28.7867, 0.1983, 0.2338



18.1187, 0.6021, 0.3600

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.



28.7867, 0.3911, 0.4496



28.7867, 0.1983, 0.2338



28.7867, 0.4501, 0.3621

Square

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



28.7867, 0.1983, 0.2338



28.7867, 0.3570, 0.2655



28.7867, 0.4376, 0.4126



28.7867, 0.2616, 0.4075

Rectangle

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



28.7867, 0.1983, 0.2338



28.7867, 0.2655, 0.2280



28.7867, 0.4376, 0.4126



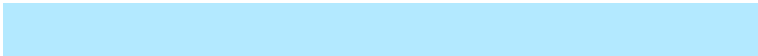
28.7867, 0.3490, 0.4565

Sweetspot

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



28.7877, 0.1983, 0.2338



75.2871, 0.2666, 0.3051



49.9395, 0.2913, 0.5686



15.4873, 0.2605, 0.3012



0.0000, 0.0000, 0.0000



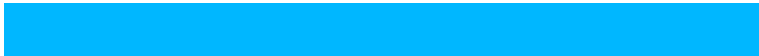
21.4041, 0.3127, 0.3290

Same Dimension

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



28.7877, 0.1983, 0.2338



41.1798, 0.1980, 0.2328



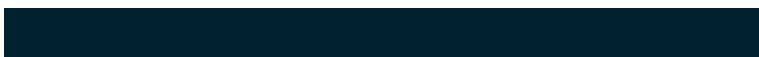
7.3638, 0.1568, 0.0842



14.1778, 0.2982, 0.3223



17.5970, 0.1987, 0.2352



1.2831, 0.2034, 0.2523

Inverse Universe

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



17.1589, 0.4087, 0.2025



24.6883, 0.4098, 0.2031



42.1837, 0.4681, 0.4664



13.2091, 0.3180, 0.3123



10.4002, 0.4072, 0.2017



0.6882, 0.3899, 0.1922

Previews

White Background



This preview shows how the Yxy color 28.7867, 0.1983, 0.2338 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 28.7867, 0.1983, 0.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

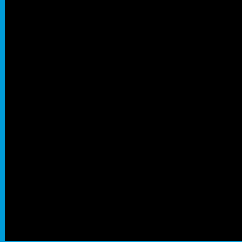
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7867, 0.1983, 0.2338

Background



This preview shows how black text looks on a background with the Yxy color 28.7867, 0.1983, 0.2338.

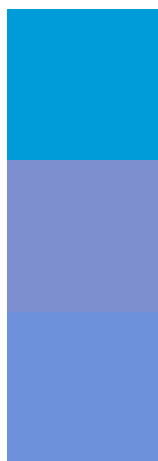


This preview shows how white text looks on a background with the Yxy color 28.7867, 0.1983, 0.2338.

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

28.7867, 0.1983, 0.2338

Protanopia

28.4611, 0.2447, 0.2367

Deuteranopia

28.7331, 0.2269, 0.2212



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

28.7867, 0.1983, 0.2338



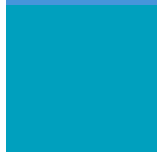
Protanomaly

27.5384, 0.2163, 0.2334



Deuteranomaly

27.9115, 0.2085, 0.2233



Tritanomaly

28.8593, 0.2105, 0.2779

Monochromacy



Original Color

28.7867, 0.1983, 0.2338



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.9884, 0.2391, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7867, 0.1983, 0.2338 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, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 217)  
}
```

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, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 217) }
```

Border

The CSS property to change the border of an element to Yxy 28.7867, 0.1983, 0.2338 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, 156, 217) }
```

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

```
.border{ border-color:rgb(0, 156, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7867, 0.1983, 0.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 217) }
```

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

```
.background{ background-color: rgb(0, 156,  
217) }
```

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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