

Converting Colors

$Y_{xy}(23.1996, 0.1157, 0.2136)$

Have a look what the booklet for
Yxy(23.1996, 0.1157, 0.2136)
contains.

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Color

Yxy(29.7276, 0.1975, 0.2311)

Conversions

Conversions Part 1

Format	Color
Hex	009EDE
RGB	0, 158, 222
RGB Percent	0%, 62%, 87%
CMY	1.0000, 0.3803, 0.1294
CMYK	1.00, 0.29, 0.00, 0.13
HSL	197°, 100%, 44%
HSV	197°, 100%, 87%
XYZ	25.4055, 29.7276, 73.5022
YIQ	118.0540, -114.7120, -13.5920

Conversions

Conversions Part 2

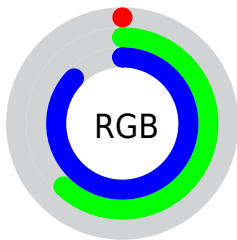
Format	Color
R _{YB}	0, 92, 222
Decimal	40670
CIE _{Lab}	61.42, -11.62, -41.97
CIE _{LCh}	61, 43.544, 254.525
Y _{xy}	29.7276, 0.1975, 0.2311
Android (android.graphics.Color)	4278230750 (0xFF009EDE)
YUV	118.0540, 51.2454, -103.5334
Hunter-Lab	54.5230, -12.2417, -41.7624

Details

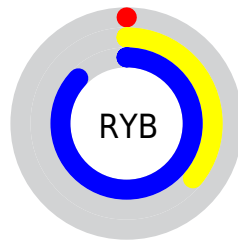
The Yxy color **29.7276, 0.1975, 0.2311** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **19.1935, 0.6010, 0.3610**, and the grayscale version is **18.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2500, 0.2277, 0.2756**, and **13.2686, 0.1915, 0.2093** is the 20% darker color. If you saturate the color by 10%, you get **29.7321, 0.1975, 0.2311**, and if you desaturate by 10%, it is **32.1451, 0.2022, 0.2419**.

Distribution



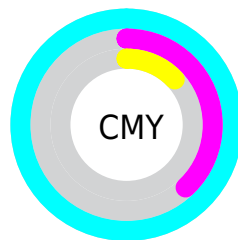
- Red (0%)
- Green (62%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (38%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7276, 0.1975, 0.2311 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 29.7276, 0.1975, 0.2311 by changing the saturation by 10% instead.

■ 29.7276, 0.1975,
0.2311

■ 29.7276, 0.1975,
0.2311

■ 300.6327, 0.2556,
0.2824

■ 19.6319, 0.1834,
0.2181

■ 59.2311, 0.2185,
0.2500

■ 12.1278, 0.1657,
0.2014

■ 79.4078, 0.2264,
0.2571

■ 6.8308, 0.1431,
0.1795

■ 103.7135, 0.2331,
0.2630

■ 3.3565, 0.1141,
0.1503

■ 132.5328, 0.2389,
0.2680

■ 1.3206, 0.0772,
0.1108

■ 166.2499, 0.2439,
0.2724

■ 0.1570, 0.0000,
0.0300

205.2493, 0.2483,

■ 0.0000, 0.0000,

0.2761

0.0000

249.9155, 0.2522,
0.2794

■ 29.7276, 0.1975,
0.2311

■ 29.7276, 0.1975,
0.2311

■ 29.7321, 0.1975,
0.2311

■ 32.1451, 0.2022,
0.2419

■ 34.8721, 0.2085,
0.2528

■ 37.9794, 0.2169,
0.2637

■ 41.5052, 0.2272,
0.2746

■ 45.4819, 0.2392,
0.2851

■ 49.9380, 0.2526,
0.2952

■ 54.8993, 0.2669,
0.3047

■ 60.3895, 0.2820,
0.3136

■ 66.4304, 0.2973,
0.3217

Harmonies

Analogous

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



29.7276, 0.1902, 0.2682



29.7276, 0.1975, 0.2311



29.7276, 0.2312, 0.2209

Triad

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



29.7276, 0.1975, 0.2311



29.7276, 0.4243, 0.3124



29.7276, 0.3233, 0.4536

Complementary

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



29.7276, 0.1975, 0.2311



19.1935, 0.6010, 0.3610

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.



29.7276, 0.3894, 0.4527



29.7276, 0.1975, 0.2311



29.7276, 0.4529, 0.3649

Square

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



29.7276, 0.1975, 0.2311



29.7276, 0.3612, 0.2663



29.7276, 0.4381, 0.4159



29.7276, 0.2578, 0.4059

Rectangle

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



29.7276, 0.1975, 0.2311



29.7276, 0.2675, 0.2272



29.7276, 0.4381, 0.4159



29.7276, 0.3462, 0.4586

Sweetspot

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



29.7321, 0.1975, 0.2311



74.9948, 0.2666, 0.3045



52.5977, 0.2904, 0.5654



15.4172, 0.2604, 0.3006



0.0000, 0.0000, 0.0000



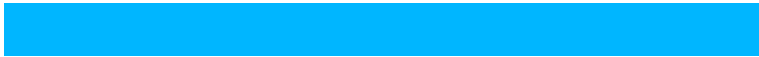
21.4041, 0.3127, 0.3290

Same Dimension

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



29.7321, 0.1975, 0.2311



40.4740, 0.1973, 0.2303



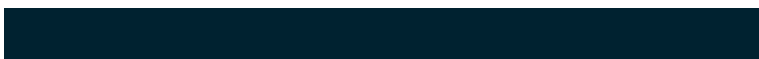
7.3957, 0.1558, 0.0809



14.8699, 0.2982, 0.3221



17.8605, 0.1980, 0.2327



1.3892, 0.2026, 0.2493

Inverse Universe

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



17.9979, 0.4115, 0.2040



24.6170, 0.4123, 0.2045



45.7608, 0.4642, 0.4696



13.8648, 0.3182, 0.3125



10.7111, 0.4098, 0.2031



0.7577, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 29.7276, 0.1975, 0.2311 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 29.7276, 0.1975, 0.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

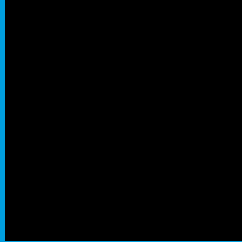
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7276, 0.1975, 0.2311

Background



This preview shows how black text looks on a background with the Yxy color 29.7276, 0.1975, 0.2311.

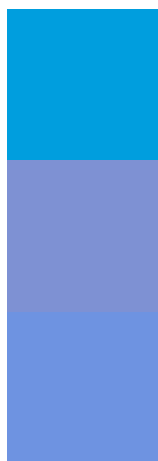


This preview shows how white text looks on a background with the Yxy color 29.7276, 0.1975, 0.2311.

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

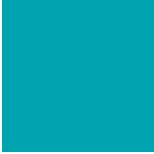
29.7276, 0.1975, 0.2311

Protanopia

29.3896, 0.2428, 0.2340

Deuteranopia

29.6187, 0.2249, 0.2187



Tritanopia

29.6855, 0.2188, 0.3077

Trichromacy



Original Color

29.7276, 0.1975, 0.2311



Protanomaly

28.4245, 0.2148, 0.2306



Deuteranomaly

28.8171, 0.2072, 0.2208



Tritanomaly

29.6909, 0.2103, 0.2769

Monochromacy



Original Color

29.7276, 0.1975, 0.2311



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.6712, 0.2385, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7276, 0.1975, 0.2311 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, 158, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 222)  
}
```

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, 158, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 222) }
```

Border

The CSS property to change the border of an element to Yxy 29.7276, 0.1975, 0.2311 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, 158, 222) }
```

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

```
.border{ border-color:rgb(0, 158, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7276, 0.1975, 0.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 222) }
```

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

```
.background{ background-color: rgb(0, 158,  
222) }
```

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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