

Converting Colors

$Y_{xy}(28.1233, 0.1850, 0.2197)$

Have a look what the booklet for
Yxy(28.1233, 0.1850, 0.2197)
contains.

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Color

Yxy(28.9337, 0.1949, 0.2216)

Conversions

Conversions Part 1

Format	Color
Hex	009BE2
RGB	0, 155, 226
RGB Percent	0%, 61%, 89%
CMY	0.9997, 0.3921, 0.1138
CMYK	1.00, 0.31, 0.00, 0.11
HSL	199°, 100%, 44%
HSV	199°, 100%, 89%
XYZ	25.4476, 28.9337, 76.1860
YIQ	116.7490, -115.1710, -10.7790

Conversions

Conversions Part 2

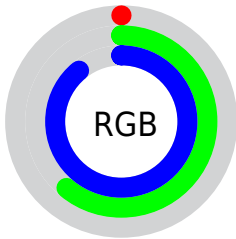
Format	Color
R _Y B	0, 92, 226
Decimal	39906
CIE Lab	60.72, -8.44, -45.27
CIE LCh	61, 46.055, 259.436
Yxy	28.9337, 0.1949, 0.2216
Android (android.graphics.Color)	4278229986 (0xFF009BE2)
YUV	116.7490, 53.8607, -102.3889
Hunter-Lab	53.7901, -9.6860, -46.3228

Details

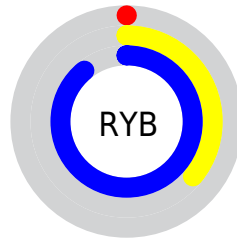
The Yxy color **28.9337, 0.1949, 0.2216** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **20.6805, 0.5948, 0.3659**, and the grayscale version is **17.5719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8242, 0.2272, 0.2718**, and **12.8029, 0.1882, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **28.9268, 0.1949, 0.2216**, and if you desaturate by 10%, it is **31.5460, 0.1998, 0.2334**.

Distribution



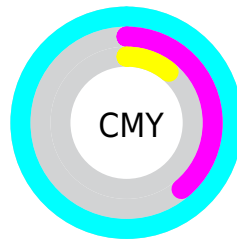
- Red (0%)
- Green (61%)
- Blue (89%)



- Red (0%)
- Yellow (36%)
- Blue (89%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9337, 0.1949, 0.2216 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 28.9337, 0.1949, 0.2216 by changing the saturation by 10% instead.


 28.9337, 0.1949,
0.2216


 28.9337, 0.1949,
0.2216


296.9020, 0.2544,
0.2773

 19.0307, 0.1805,
0.2076


 57.9717, 0.2163,
0.2420

 11.6924, 0.1625,
0.1900


 77.8755, 0.2245,
0.2496

 6.5346, 0.1396,
0.1671


 101.8817, 0.2314,
0.2561

 3.1728, 0.1105,
0.1370

 130.3746, 0.2373,
0.2616

 1.2226, 0.0739,
0.0976

 163.7387, 0.2424,
0.2663

 0.0800, 0.0000,
0.0142

202.3584, 0.2469,

 0.0000, 0.0000,

0.2705

0.0000

246.6180, 0.2509,
0.2741

■ 28.9337, 0.1949,
0.2216

■ 28.9337, 0.1949,
0.2216

■ 28.9268, 0.1949,
0.2216

■ 31.5460, 0.1998,
0.2334

■ 34.5065, 0.2065,
0.2454

■ 37.8851, 0.2153,
0.2574

■ 41.7222, 0.2260,
0.2694

■ 46.0522, 0.2384,
0.2810

■ 50.9054, 0.2520,
0.2921

■ 56.3092, 0.2667,
0.3025

■ 62.2888, 0.2819,
0.3122

■ 68.8674, 0.2973,
0.3210

Harmonies

Analogous

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



28.9337, 0.1825, 0.2553



28.9337, 0.1949, 0.2216



28.9337, 0.2346, 0.2155

Triad

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



28.9337, 0.1949, 0.2216



28.9337, 0.4399, 0.3196



28.9337, 0.3112, 0.4579

Complementary

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



28.9337, 0.1949, 0.2216



20.6805, 0.5948, 0.3659

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.



28.9337, 0.3827, 0.4642



28.9337, 0.1949, 0.2216



28.9337, 0.4624, 0.3751

Square

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



28.9337, 0.1949, 0.2216



28.9337, 0.3767, 0.2697



28.9337, 0.4390, 0.4283



28.9337, 0.2440, 0.3993

Rectangle

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



28.9337, 0.1949, 0.2216



28.9337, 0.2754, 0.2247



28.9337, 0.4390, 0.4283



28.9337, 0.3355, 0.4661

Sweetspot

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



28.9346, 0.1949, 0.2216



73.8755, 0.2663, 0.3023



54.8023, 0.2894, 0.5617



15.1490, 0.2600, 0.2979



0.0000, 0.0000, 0.0000



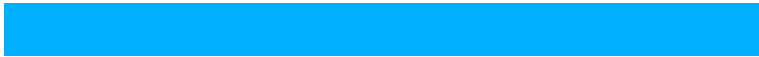
21.4041, 0.3127, 0.3290

Same Dimension

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



28.9346, 0.1949, 0.2216



37.8323, 0.1947, 0.2208



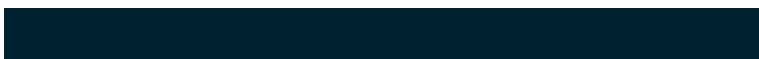
7.3870, 0.1550, 0.0780



14.8078, 0.2982, 0.3215



16.7262, 0.1954, 0.2234



1.3175, 0.2005, 0.2416

Inverse Universe

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



18.5351, 0.4215, 0.2096



24.3503, 0.4224, 0.2100



49.1354, 0.4603, 0.4727



13.8585, 0.3186, 0.3131



10.5966, 0.4196, 0.2085



0.7505, 0.4006, 0.1981

Previews

White Background



This preview shows how the Yxy color 28.9337, 0.1949, 0.2216 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 28.9337, 0.1949, 0.2216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

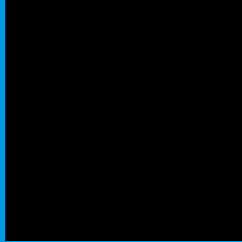
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

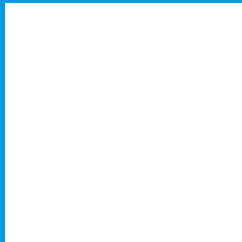
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9337, 0.1949, 0.2216

Background



This preview shows how black text looks on a background with the Yxy color 28.9337, 0.1949, 0.2216.

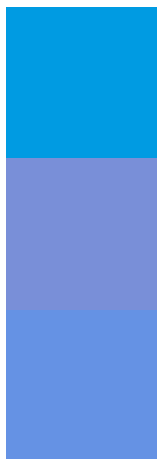


This preview shows how white text looks on a background with the Yxy color 28.9337, 0.1949, 0.2216.

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

28.9337, 0.1949, 0.2216

Protanopia

28.6677, 0.2358, 0.2245

Deuteranopia

28.9259, 0.2180, 0.2127



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

28.9337, 0.1949, 0.2216

Protanomaly

27.6125, 0.2102, 0.2197

Deuteranomaly

28.1309, 0.2032, 0.2138

Tritanomaly

28.6465, 0.2088, 0.2716

Monochromacy



Original Color

28.9337, 0.1949, 0.2216

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.1228, 0.2364, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9337, 0.1949, 0.2216 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 226) }
```

Border

The CSS property to change the border of an element to Yxy 28.9337, 0.1949, 0.2216 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, 226) }
```

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

```
.border{ border-color:rgb(0, 155, 226) }
```

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, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9337, 0.1949, 0.2216 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, 226) }
```

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

```
.background{ background-color: rgb(0, 155,  
226) }
```

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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