

Converting Colors

$Yxy(28.8914, 0.1976, 0.2314)$

Have a look what the booklet for
 $Y_{xy}(28.8914, 0.1976, 0.2314)$
contains.

$Y_{xy}(28.8914, 0.1976, 0.2314)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.8914, 0.1976, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	009CDB
RGB	0, 156, 219
RGB Percent	0%, 61%, 86%
CMY	1.0000, 0.3882, 0.1412
CMYK	1.00, 0.29, 0.00, 0.14
HSL	197°, 100%, 43%
HSV	197°, 100%, 86%
XYZ	24.6713, 28.8914, 71.2921
YIQ	116.5380, -113.1990, -13.4790

Conversions

Conversions Part 2

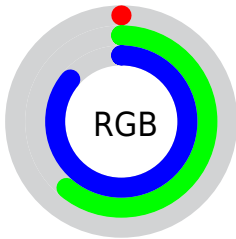
Format	Color
R _Y B	0, 91, 219
Decimal	40155
CIE Lab	60.69, -11.59, -41.45
CIE LCh	61, 43.043, 254.376
Yxy	28.8914, 0.1976, 0.2314
Android (android.graphics.Color)	4278230235 (0xFF009CDB)
YUV	116.5380, 50.5138, -102.2038
Hunter-Lab	53.7507, -12.1332, -41.0136

Details

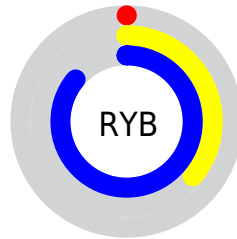
The Yxy color **28.8914, 0.1976, 0.2314** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.6136, 0.6010, 0.3610**, and the grayscale version is **17.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1968, 0.2268, 0.2730**, and **12.7835, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **28.8941, 0.1976, 0.2314**, and if you desaturate by 10%, it is **31.2329, 0.2023, 0.2421**.

Distribution



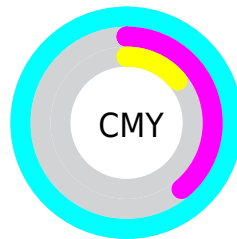
- Red (0%)
- Green (61%)
- Blue (86%)



- Red (0%)
- Yellow (36%)
- Blue (86%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (39%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8914, 0.1976, 0.2314 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 28.8914, 0.1976, 0.2314 by changing the saturation by 10% instead.

■ 28.8914, 0.1976,
0.2314

■ 28.8914, 0.1976,
0.2314

■ 296.7022, 0.2560,
0.2828

■ 18.9987, 0.1833,
0.2182

■ 57.9045, 0.2187,
0.2504

■ 11.6693, 0.1654,
0.2013

■ 77.7937, 0.2267,
0.2575

■ 6.5189, 0.1425,
0.1792

■ 101.7838, 0.2334,
0.2634

■ 3.1631, 0.1130,
0.1494

■ 130.2592, 0.2392,
0.2685

■ 1.2175, 0.0754,
0.1090

■ 163.6044, 0.2443,
0.2728

■ 0.0759, 0.0000,
0.0159

202.2037, 0.2487,

■ 0.0000, 0.0000,

0.2766

0.0000

246.4415, 0.2525,
0.2799

■ 28.8914, 0.1976,
0.2314

■ 28.8914, 0.1976,
0.2314

■ 28.8941, 0.1976,
0.2314

■ 31.2329, 0.2023,
0.2421

■ 33.8751, 0.2086,
0.2530

■ 36.8853, 0.2170,
0.2639

■ 40.3004, 0.2273,
0.2748

■ 44.1518, 0.2393,
0.2853

■ 48.4671, 0.2526,
0.2953

■ 53.2711, 0.2670,
0.3048

■ 58.5868, 0.2820,
0.3136

■ 64.4351, 0.2973,
0.3217

Harmonies

Analogous

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



28.8914, 0.1904, 0.2685



28.8914, 0.1976, 0.2314



28.8914, 0.2312, 0.2211

Triad

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



28.8914, 0.1976, 0.2314



28.8914, 0.4238, 0.3122



28.8914, 0.3236, 0.4534

Complementary

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



28.8914, 0.1976, 0.2314



18.6136, 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.



28.8914, 0.3896, 0.4524



28.8914, 0.1976, 0.2314



28.8914, 0.4526, 0.3646

Square

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



28.8914, 0.1976, 0.2314



28.8914, 0.3607, 0.2663



28.8914, 0.4380, 0.4156



28.8914, 0.2582, 0.4061

Rectangle

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



28.8914, 0.1976, 0.2314



28.8914, 0.2673, 0.2273



28.8914, 0.4380, 0.4156



28.8914, 0.3465, 0.4584

Sweetspot

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



28.8941, 0.1976, 0.2314



75.0201, 0.2666, 0.3046



51.0103, 0.2904, 0.5653



15.4233, 0.2604, 0.3006



0.0000, 0.0000, 0.0000



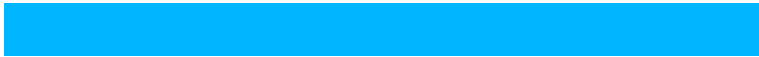
21.4041, 0.3127, 0.3290

Same Dimension

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



28.8941, 0.1976, 0.2314



40.5349, 0.1974, 0.2305



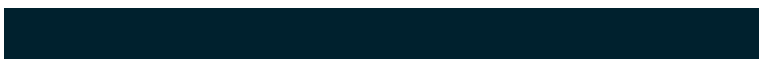
7.1835, 0.1558, 0.0810



14.1638, 0.2982, 0.3221



17.3293, 0.1981, 0.2330



1.2675, 0.2029, 0.2505

Inverse Universe

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



17.4603, 0.4112, 0.2039



24.6232, 0.4121, 0.2044



44.3932, 0.4642, 0.4696



13.2077, 0.3181, 0.3125



10.3732, 0.4095, 0.2029



0.6866, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 28.8914, 0.1976, 0.2314 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 28.8914, 0.1976, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

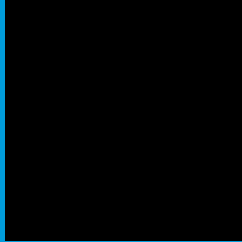
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8914, 0.1976, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 28.8914, 0.1976, 0.2314.



This preview shows how white text looks on a background with the Yxy color 28.8914, 0.1976, 0.2314.

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

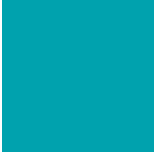
28.8914, 0.1976, 0.2314

Protanopia

28.6083, 0.2428, 0.2332

Deuteranopia

28.7759, 0.2252, 0.2188



Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

28.8914, 0.1976, 0.2314

Protanomaly

27.6894, 0.2150, 0.2297

Deuteranomaly

27.9806, 0.2073, 0.2209

Tritanomaly

28.8593, 0.2105, 0.2779

Monochromacy



Original Color

28.8914, 0.1976, 0.2314

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.0215, 0.2384, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8914, 0.1976, 0.2314 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 219) }
```

Border

The CSS property to change the border of an element to Yxy 28.8914, 0.1976, 0.2314 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, 219) }
```

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

```
.border{ border-color:rgb(0, 156, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8914, 0.1976, 0.2314 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, 219) }
```

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

```
.background{ background-color: rgb(0, 156,  
219) }
```

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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