

Converting Colors

$Yxy(23.1092, 0.1328, 0.2341)$

Have a look what the booklet for
Yxy(23.1092, 0.1328, 0.2341)
contains.

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Color

Yxy(28.2819, 0.2018, 0.2466)

Conversions

Conversions Part 1

Format	Color
Hex	009CCF
RGB	0, 156, 207
RGB Percent	0%, 61%, 81%
CMY	1.0000, 0.3882, 0.1883
CMYK	1.00, 0.25, 0.00, 0.19
HSL	195°, 100%, 41%
HSV	195°, 100%, 81%
XYZ	23.1439, 28.2819, 63.2615
YIQ	115.1700, -109.3470, -17.2110

Conversions

Conversions Part 2

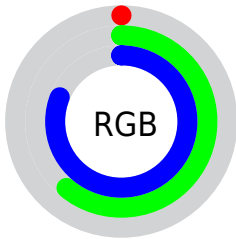
Format	Color
RYB	0, 89, 207
Decimal	40143
CIELab	60.14, -15.97, -35.61
CIELCh	60, 39.026, 245.837
Yxy	28.2819, 0.2018, 0.2466
Android (android.graphics.Color)	4278230223 (0xFF009CCF)
YUV	115.1700, 45.2722, -101.0041
Hunter-Lab	53.1807, -15.3842, -33.3024

Details

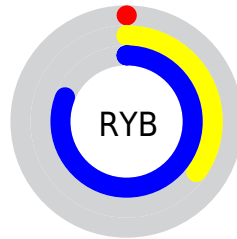
The Yxy color **28.2819, 0.2018, 0.2466** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.6286, 0.6097, 0.3541**, and the grayscale version is **17.0860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5752, 0.2264, 0.2742**, and **12.3701, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **28.2865, 0.2018, 0.2466**, and if you desaturate by 10%, it is **30.1896, 0.2060, 0.2557**.

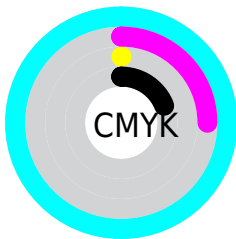
Distribution



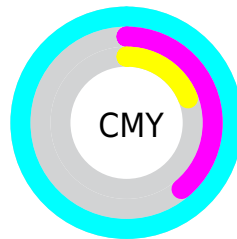
- Red (0%)
- Green (61%)
- Blue (81%)



- Red (0%)
- Yellow (35%)
- Blue (81%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2819, 0.2018, 0.2466 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 28.2819, 0.2018, 0.2466 by changing the saturation by 10% instead.

■ 28.2819, 0.2018,
0.2466

■ 28.2819, 0.2018,
0.2466

■ 293.8115, 0.2585,
0.2911

■ 18.5383, 0.1877,
0.2348

■ 56.9342, 0.2225,
0.2634

■ 11.3371, 0.1698,
0.2193

■ 76.6116, 0.2303,
0.2695

■ 6.2941, 0.1466,
0.1983

■ 100.3692, 0.2368,
0.2746

■ 3.0247, 0.1162,
0.1691

■ 128.5911, 0.2424,
0.2789

■ 1.1446, 0.0755,
0.1276

■ 161.6620, 0.2473,
0.2826

■ 0.0158, 0.0000,
0.0045

199.9660, 0.2515,

■ 0.0000, 0.0000,

0.2858

0.0000

243.8877, 0.2552,
0.2886

■ 28.2819, 0.2018,
0.2466

■ 28.2819, 0.2018,
0.2466

■ 28.2865, 0.2018,
0.2466

■ 30.1896, 0.2060,
0.2557

■ 32.3327, 0.2118,
0.2648

■ 34.7735, 0.2196,
0.2740

■ 37.5433, 0.2293,
0.2831

■ 40.6691, 0.2407,
0.2919

■ 44.1742, 0.2536,
0.3004

■ 48.0798, 0.2675,
0.3084

■ 52.4054, 0.2822,
0.3159

■ 57.1688, 0.2974,
0.3228

Harmonies

Analogous

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



28.2819, 0.2025, 0.2887



28.2819, 0.2018, 0.2466



28.2819, 0.2263, 0.2297

Triad

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



28.2819, 0.2018, 0.2466



28.2819, 0.4001, 0.3010



28.2819, 0.3415, 0.4461

Complementary

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



28.2819, 0.2018, 0.2466



15.6286, 0.6097, 0.3541

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.



28.2819, 0.3990, 0.4354



28.2819, 0.2018, 0.2466



28.2819, 0.4371, 0.3489

Square

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



28.2819, 0.2018, 0.2466



28.2819, 0.3379, 0.2610



28.2819, 0.4354, 0.3972



28.2819, 0.2793, 0.4147

Rectangle

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



28.2819, 0.2018, 0.2466



28.2819, 0.2558, 0.2313



28.2819, 0.4354, 0.3972



28.2819, 0.3620, 0.4468

Sweetspot

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



28.2865, 0.2018, 0.2466



76.8282, 0.2670, 0.3081



44.8351, 0.2931, 0.5751



15.8576, 0.2609, 0.3048



0.0000, 0.0000, 0.0000



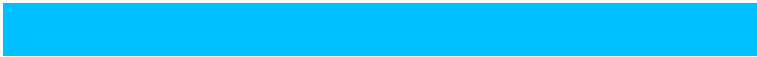
21.4041, 0.3127, 0.3290

Same Dimension

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



28.2865, 0.2018, 0.2466



45.0095, 0.2016, 0.2455



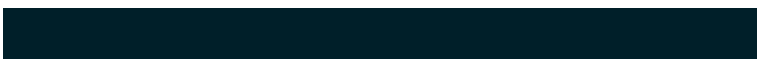
7.2554, 0.1587, 0.0911



12.8933, 0.2983, 0.3231



17.9798, 0.2022, 0.2479



1.1258, 0.2068, 0.2645

Inverse Universe

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



15.6643, 0.3956, 0.1953



25.0749, 0.3967, 0.1959



35.6519, 0.4764, 0.4600



11.9572, 0.3175, 0.3116



9.8863, 0.3944, 0.1946



0.5649, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 28.2819, 0.2018, 0.2466 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 28.2819, 0.2018, 0.2466 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 28.2819, 0.2018, 0.2466

Background



This preview shows how black text looks on a background with the Yxy color 28.2819, 0.2018, 0.2466.

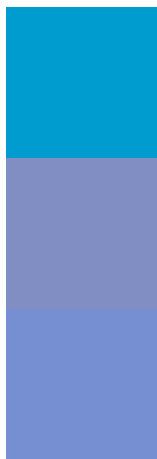


This preview shows how white text looks on a background with the Yxy color 28.2819, 0.2018, 0.2466.

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

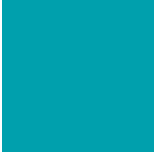
28.2819, 0.2018, 0.2466

Protanopia

27.9207, 0.2535, 0.2480

Deuteranopia

28.0800, 0.2365, 0.2306



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.2819, 0.2018, 0.2466

Protanomaly

26.7869, 0.2213, 0.2445

Deuteranomaly

27.2391, 0.2141, 0.2340

Tritanomaly

28.2991, 0.2122, 0.2838

Monochromacy



Original Color

28.2819, 0.2018, 0.2466

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.5198, 0.2416, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2819, 0.2018, 0.2466 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 207) }
```

Border

The CSS property to change the border of an element to Yxy 28.2819, 0.2018, 0.2466 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, 207) }
```

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

```
.border{ border-color:rgb(0, 156, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2819, 0.2018, 0.2466 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, 207) }
```

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

```
.background{ background-color: rgb(0, 156,  
207) }
```

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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