

Converting Colors

$Yxy(29.0764, 0.1999, 0.2375)$

Have a look what the booklet for
Yxy(29.0764, 0.1999, 0.2375)
contains.

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Color

$\text{Yxy}(29.0783, 0.2001, 0.2381)$

Conversions

Conversions Part 1

Format	Color
Hex	099DD7
RGB	9, 157, 215
RGB Percent	4%, 62%, 84%
CMY	0.9633, 0.3843, 0.1569
CMYK	0.96, 0.27, 0.00, 0.16
HSL	197°, 92%, 44%
HSV	197°, 96%, 84%
XYZ	24.4375, 29.0783, 68.6106
YIQ	119.3600, -106.8260, -13.3380

Conversions

Conversions Part 2

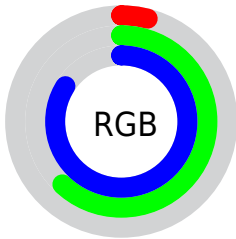
Format	Color
R_{YB}	9, 95, 215
Decimal	630231
CIE _{Lab}	60.85, -13.31, -38.96
CIE _{LCh}	61, 41.175, 251.133
Yxy	29.0783, 0.2001, 0.2381
Android (android.graphics.Color)	4278820311 (0xFF099DD7)
YUV	119.3600, 47.1505, -96.7857
Hunter-Lab	53.9243, -13.4746, -37.6907

Details

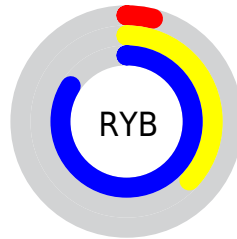
The Yxy color **29.0783, 0.2001, 0.2381** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **18.5223, 0.5916, 0.3640**, and the grayscale version is **18.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7516, 0.2274, 0.2743**, and **12.8461, 0.1933, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **28.1365, 0.1982, 0.2335**, and if you desaturate by 10%, it is **31.4108, 0.2053, 0.2486**.

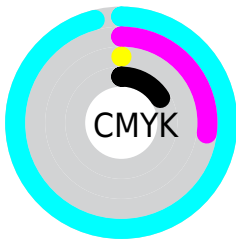
Distribution



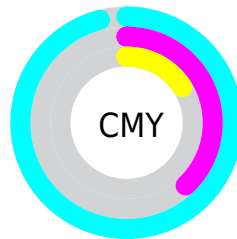
- Red (4%)
- Green (62%)
- Blue (84%)



- Red (4%)
- Yellow (37%)
- Blue (84%)



- Cyan (96%)
- Magenta (27%)
- Yellow (0%)
- Black (16%)



- Cyan (96%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0783, 0.2001, 0.2381 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 29.0783, 0.2001, 0.2381 by changing the saturation by 10% instead.

■ 29.0783, 0.2001,
0.2381

■ 29.0783, 0.2001,
0.2381

■ 297.5842, 0.2573,
0.2863

■ 19.1401, 0.1860,
0.2256

■ 58.2015, 0.2208,
0.2561

■ 11.7715, 0.1683,
0.2094

■ 78.1552, 0.2287,
0.2627

■ 6.5883, 0.1456,
0.1879

■ 102.2162, 0.2353,
0.2683

■ 3.2060, 0.1160,
0.1587

■ 130.7689, 0.2410,
0.2730

■ 1.2402, 0.0778,
0.1182

■ 164.1976, 0.2459,
0.2770

■ 0.0942, 0.0000,
0.0215

■ 202.8868, 0.2502,

■ 0.0000, 0.0000,

0.2805

0.0000

247.2209, 0.2540,
0.2836

■ 29.0783, 0.2001,
0.2381

■ 29.0783, 0.2001,
0.2381

■ 28.1365, 0.1982,
0.2335

■ 31.4108, 0.2053,
0.2486

■ 34.0674, 0.2125,
0.2593

■ 37.0887, 0.2216,
0.2700

■ 40.5073, 0.2326,
0.2804

■ 44.3513, 0.2451,
0.2906

■ 48.6458, 0.2589,
0.3002

■ 53.4136, 0.2735,
0.3092

■ 58.6758, 0.2887,
0.3175

■ 64.4517, 0.3040,
0.3250

Harmonies

Analogous

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



29.0783, 0.1960, 0.2770



29.0783, 0.2001, 0.2381



29.0783, 0.2299, 0.2252

Triad

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



29.0783, 0.2001, 0.2381



29.0783, 0.4135, 0.3080



29.0783, 0.3307, 0.4494

Complementary

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



29.0783, 0.2001, 0.2381



18.5223, 0.5916, 0.3640

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.



29.0783, 0.3929, 0.4446



29.0783, 0.2001, 0.2381



29.0783, 0.4454, 0.3582

Square

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



29.0783, 0.2001, 0.2381



29.0783, 0.3512, 0.2647



29.0783, 0.4361, 0.4077



29.0783, 0.2670, 0.4089

Rectangle

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



29.0783, 0.2001, 0.2381



29.0783, 0.2631, 0.2296



29.0783, 0.4361, 0.4077



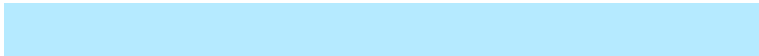
29.0783, 0.3525, 0.4526

Sweetspot

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



29.0793, 0.2001, 0.2381



75.9775, 0.2681, 0.3060



49.0309, 0.2901, 0.5611



15.6207, 0.2618, 0.3021



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.



29.0793, 0.2001, 0.2381



41.1213, 0.1979, 0.2326



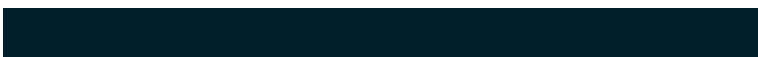
7.9256, 0.1596, 0.0912



13.4883, 0.2982, 0.3223



17.0177, 0.1987, 0.2351



1.1635, 0.2037, 0.2533

Inverse Universe

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



17.0834, 0.4040, 0.2017



24.6824, 0.4100, 0.2032



42.1081, 0.4645, 0.4669



12.5702, 0.3180, 0.3124



10.0628, 0.4073, 0.2017



0.6208, 0.3890, 0.1917

Previews

White Background



This preview shows how the Yxy color 29.0783, 0.2001, 0.2381 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 29.0783, 0.2001, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

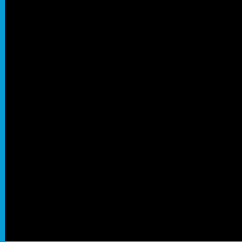
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0783, 0.2001, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 29.0783, 0.2001, 0.2381.

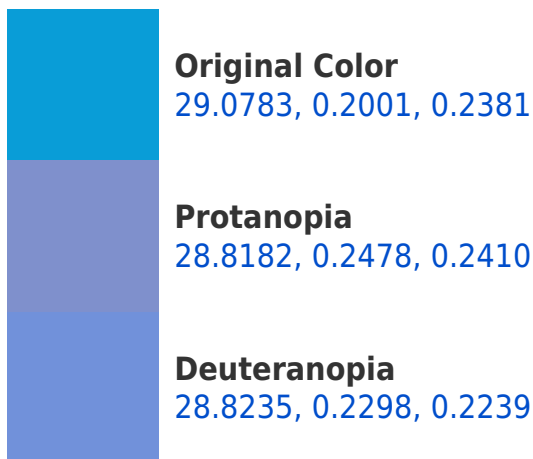


This preview shows how white text looks on a background with the Yxy color 29.0783, 0.2001, 0.2381.

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





Tritanopia

28.8967, 0.2187, 0.3074

Trichromacy



Original Color

29.0783, 0.2001, 0.2381

Protanomaly

27.9338, 0.2196, 0.2379

Deuteranomaly

28.0005, 0.2113, 0.2261

Tritanomaly

28.8351, 0.2112, 0.2794

Monochromacy



Original Color

29.0783, 0.2001, 0.2381

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.7704, 0.2427, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0783, 0.2001, 0.2381 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(9, 157, 215)` looks like.

```
.text, #text, p{  
    color:rgb(9, 157, 215)  
}
```

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(9, 157, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 157, 215) }
```

Border

The CSS property to change the border of an element to Yxy 29.0783, 0.2001, 0.2381 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(9, 157, 215) }
```

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

```
.border{ border-color:rgb(9, 157, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 157, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 157, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 157, 215);  
box-shadow:4px 4px 4px 4px rgb(9, 157,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0783, 0.2001, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 157, 215) }
```

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

```
.background{ background-color: rgb(9, 157,  
215) }
```

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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