

Converting Colors

$Yxy(26.8736, 0.1983, 0.2319)$

Have a look what the booklet for
Yxy(26.8736, 0.1983, 0.2319)
contains.

| | |
|---|----|
| Yxy(26.9383, 0.1983, 0.2317) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(26.9383, 0.1983, 0.2317)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0997D4 |
| RGB | 9, 151, 212 |
| RGB Percent | 4%, 59%, 83% |
| CMY | 0.9664, 0.4079, 0.1686 |
| CMYK | 0.96, 0.29, 0.00, 0.17 |
| HSL | 198°, 92%, 43% |
| HSV | 198°, 96%, 83% |
| XYZ | 23.0551, 26.9383, 66.2703 |
| YIQ | 115.4960, -104.2130, -11.1330 |

Conversions

Conversions Part 2

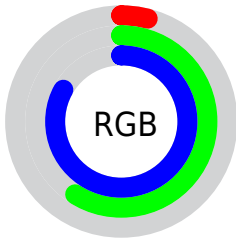
| Format | Color |
|-------------------------------------|---|
| RYB | 9, 93, 212 |
| Decimal | 628692 |
| CIELab | 58.92, -11.09, -40.32 |
| CIELCh | 59, 41.822, 254.619 |
| Yxy | 26.9383, 0.1983, 0.2317 |
| Android (android.graphics.Color) | 4278818772 (0xFF0997D4) |
| YUV | 115.4960, 47.5765, -93.3970 |
| Hunter-Lab | 51.9021, -11.5384, -39.3719 |

Details

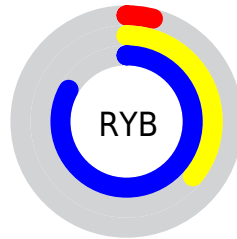
The Yxy color **26.9383, 0.1983, 0.2317** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **18.3444, 0.5879, 0.3673**, and the grayscale version is **17.1373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7662, 0.2253, 0.2664**, and **11.5487, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **26.0647, 0.1964, 0.2272**, and if you desaturate by 10%, it is **29.2584, 0.2037, 0.2430**.

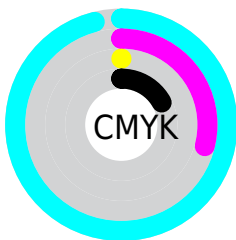
Distribution



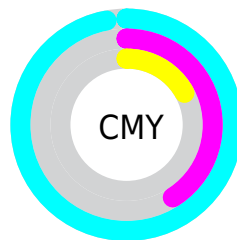
- Red (4%)
- Green (59%)
- Blue (83%)



- Red (4%)
- Yellow (36%)
- Blue (83%)



- Cyan (96%)
- Magenta (29%)
- Yellow (0%)
- Black (17%)



- Cyan (97%)
- Magenta (41%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9383, 0.1983, 0.2317 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 26.9383, 0.1983, 0.2317 by changing the saturation by 10% instead.

■ 26.9383, 0.1983,
0.2317

■ 26.9383, 0.1983,
0.2317

287.3583, 0.2570,
0.2835

■ 17.5269, 0.1837,
0.2182

■ 54.7848, 0.2197,
0.2510

■ 10.6109, 0.1653,
0.2008

■ 73.9888, 0.2278,
0.2582

■ 5.8058, 0.1416,
0.1778

■ 97.2256, 0.2345,
0.2641

■ 2.7274, 0.1107,
0.1465

■ 124.8799, 0.2404,
0.2692

■ 0.9911, 0.0701,
0.1041

■ 157.3359, 0.2454,
0.2735

■ 0.0000, 0.0000,
0.0000

194.9780, 0.2498,

0.2773

238.1907, 0.2536,
0.2806

■ 26.9383, 0.1983,
0.2317

■ 26.9383, 0.1983,
0.2317

■ 26.0647, 0.1964,
0.2272

■ 29.2584, 0.2037,
0.2430

■ 31.9030, 0.2111,
0.2544

■ 34.9120, 0.2204,
0.2658

■ 38.3173, 0.2316,
0.2769

■ 42.1466, 0.2443,
0.2878

■ 46.4243, 0.2582,
0.2980

■ 51.1728, 0.2730,
0.3076

■ 56.4127, 0.2882,
0.3165

■ 62.1632, 0.3036,
0.3246

Harmonies

Analogous

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



26.9383, 0.1909, 0.2685



26.9383, 0.1983, 0.2317



26.9383, 0.2319, 0.2216

Triad

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



26.9383, 0.1983, 0.2317



26.9383, 0.4236, 0.3127



26.9383, 0.3230, 0.4525

Complementary

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



26.9383, 0.1983, 0.2317



18.3444, 0.5879, 0.3673

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.



26.9383, 0.3888, 0.4519



26.9383, 0.1983, 0.2317



26.9383, 0.4519, 0.3649

Square

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



26.9383, 0.1983, 0.2317



26.9383, 0.3611, 0.2669



26.9383, 0.4371, 0.4156



26.9383, 0.2580, 0.4051

Rectangle

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



26.9383, 0.1983, 0.2317



26.9383, 0.2680, 0.2279



26.9383, 0.4371, 0.4156



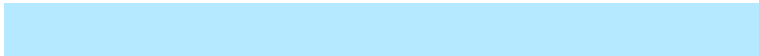
26.9383, 0.3458, 0.4576

Sweetspot

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



26.9392, 0.1983, 0.2317



75.2268, 0.2680, 0.3045



47.5375, 0.2891, 0.5577



15.4396, 0.2616, 0.3003



0.0000, 0.0000, 0.0000



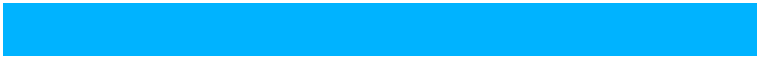
21.4041, 0.3127, 0.3290

Same Dimension

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



26.9392, 0.1983, 0.2317



39.2695, 0.1961, 0.2260



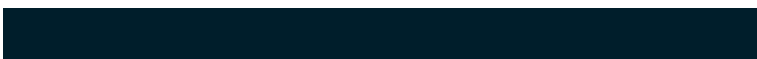
7.3235, 0.1585, 0.0876



13.4497, 0.2982, 0.3218



16.2740, 0.1969, 0.2288



1.1233, 0.2023, 0.2481

Inverse Universe

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



16.4172, 0.4106, 0.2053



24.4954, 0.4168, 0.2070



41.9930, 0.4609, 0.4699



12.5663, 0.3183, 0.3128



9.9877, 0.4139, 0.2054



0.6167, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 26.9383, 0.1983, 0.2317 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 26.9383, 0.1983, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

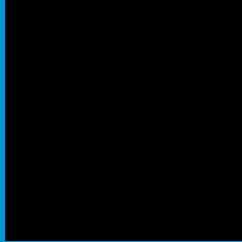
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9383, 0.1983, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 26.9383, 0.1983, 0.2317.

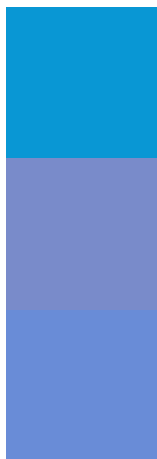


This preview shows how white text looks on a background with the Yxy color 26.9383, 0.1983, 0.2317.

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

26.9448, 0.1983, 0.2317

Protanopia

26.7945, 0.2433, 0.2347

Deuteranopia

26.6657, 0.2249, 0.2183



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

26.9448, 0.1983, 0.2317

Protanomaly

25.8066, 0.2164, 0.2301

Deuteranomaly

26.1036, 0.2086, 0.2210

Tritanomaly

26.9227, 0.2109, 0.2781

Monochromacy



Original Color

26.9448, 0.1983, 0.2317

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.1769, 0.2416, 0.2859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9383, 0.1983, 0.2317 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, 151, 212)` looks like.

```
.text, #text, p{  
    color:rgb(9, 151, 212)  
}
```

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, 151, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 151, 212) }
```

Border

The CSS property to change the border of an element to Yxy 26.9383, 0.1983, 0.2317 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, 151, 212) }
```

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

```
.border{ border-color:rgb(9, 151, 212) }
```

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

Here you see how a box with a 4 pixel rgb(9, 151, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 151, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 151, 212);  
box-shadow:4px 4px 4px 4px rgb(9, 151,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9383, 0.1983, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 151, 212) }
```

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

```
.background{ background-color: rgb(9, 151,  
212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor