

Converting Colors

$Yxy(23.9124, 0.1586, 0.1996)$

Have a look what the booklet for
Yxy(23.9124, 0.1586, 0.1996)
contains.

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Color

Yxy(26.7812, 0.1912, 0.2082)

Conversions

Conversions Part 1

Format	Color
Hex	0094E4
RGB	0, 148, 228
RGB Percent	0%, 58%, 89%
CMY	0.9984, 0.4196, 0.1060
CMYK	1.00, 0.35, 0.00, 0.11
HSL	201°, 100%, 45%
HSV	201°, 100%, 89%
XYZ	24.5945, 26.7812, 77.2564
YIQ	112.8680, -113.8880, -6.4960

Conversions

Conversions Part 2

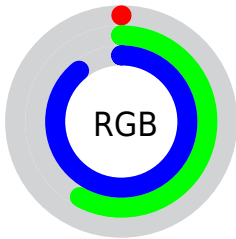
Format	Color
R _{YB}	0, 90, 228
Decimal	38116
CIE _{Lab}	58.77, -3.67, -49.47
CIE _{LCh}	59, 49.604, 265.754
Y _{xy}	26.7812, 0.1912, 0.2082
Android (android.graphics.Color)	4278228196 (0xFF0094E4)
YUV	112.8680, 56.7601, -98.9852
Hunter-Lab	51.7506, -5.7313, -52.2864

Details

The Yxy color **26.7812, 0.1912, 0.2082** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.2876, 0.5849, 0.3736**, and the grayscale version is **16.3643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4643, 0.2252, 0.2626**, and **11.7139, 0.1840, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **26.7333, 0.1911, 0.2080**, and if you desaturate by 10%, it is **29.5655, 0.1966, 0.2214**.

Distribution



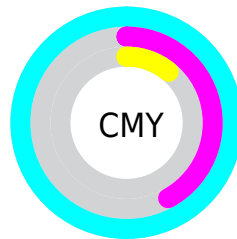
- Red (0%)
- Green (58%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- Blue (89%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7812, 0.1912, 0.2082 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 26.7812, 0.1912, 0.2082 by changing the saturation by 10% instead.

■ 26.7812, 0.1912,
0.2082

■ 26.7812, 0.1912,
0.2082

286.5962, 0.2530,
0.2704

■ 17.4090, 0.1762,
0.1929

■ 54.5326, 0.2135,
0.2308

■ 10.5265, 0.1574,
0.1736

■ 73.6805, 0.2220,
0.2393

■ 5.7494, 0.1338,
0.1491

■ 96.8558, 0.2292,
0.2465

■ 2.6933, 0.1038,
0.1176

■ 124.4428, 0.2353,
0.2527

■ 0.9738, 0.0668,
0.0781

■ 156.8259, 0.2406,
0.2580

■ 0.0000, 0.0000,
0.0000

194.3896, 0.2453,

0.2627

237.5182, 0.2494,
0.2668

■ 26.7812, 0.1912,
0.2082

■ 26.7812, 0.1912,
0.2082

■ 26.7333, 0.1911,
0.2080

■ 29.5655, 0.1966,
0.2214

■ 32.7407, 0.2039,
0.2349

■ 36.3775, 0.2132,
0.2486

■ 40.5179, 0.2245,
0.2621

■ 45.1980, 0.2374,
0.2752

■ 50.4497, 0.2515,
0.2877

■ 56.3017, 0.2665,
0.2994

■ 62.7805, 0.2820,
0.3103

■ 69.9109, 0.2976,
0.3202

Harmonies

Analogous

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



26.7812, 0.1717, 0.2371



26.7812, 0.1912, 0.2082



26.7812, 0.2398, 0.2078

Triad

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



26.7812, 0.1912, 0.2082



26.7812, 0.4628, 0.3298



26.7812, 0.2931, 0.4639

Complementary

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



26.7812, 0.1912, 0.2082



22.2876, 0.5849, 0.3736

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.



26.7812, 0.3720, 0.4817



26.7812, 0.1912, 0.2082



26.7812, 0.4755, 0.3899

Square

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



26.7812, 0.1912, 0.2082



26.7812, 0.4004, 0.2745



26.7812, 0.4393, 0.4468



26.7812, 0.2239, 0.3884

Rectangle

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



26.7812, 0.1912, 0.2082



26.7812, 0.2876, 0.2211



26.7812, 0.4393, 0.4468



26.7812, 0.3195, 0.4772

Sweetspot

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



26.7820, 0.1912, 0.2082



72.2928, 0.2660, 0.2990



56.0585, 0.2858, 0.5489



14.7705, 0.2595, 0.2941



0.0000, 0.0000, 0.0000



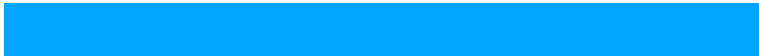
21.4041, 0.3127, 0.3290

Same Dimension

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



26.7820, 0.1912, 0.2082



34.2655, 0.1909, 0.2072



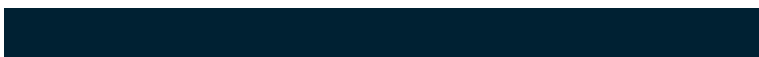
6.7789, 0.1531, 0.0711



15.4391, 0.2981, 0.3205



15.6704, 0.1917, 0.2100



1.3309, 0.1971, 0.2293

Inverse Universe

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



18.6378, 0.4361, 0.2177



23.9903, 0.4372, 0.2182



55.0063, 0.4488, 0.4817



14.5247, 0.3191, 0.3139



10.7797, 0.4341, 0.2165



0.8140, 0.4133, 0.2051

Previews

White Background



This preview shows how the Yxy color 26.7812, 0.1912, 0.2082 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 26.7812, 0.1912, 0.2082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

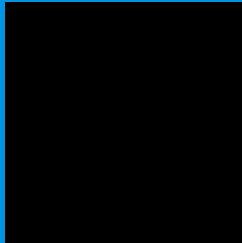
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

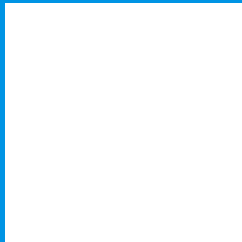
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.7812, 0.1912, 0.2082

Background



This preview shows how black text looks on a background with the Yxy color 26.7812, 0.1912, 0.2082.

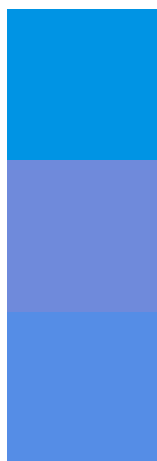


This preview shows how white text looks on a background with the Yxy color 26.7812, 0.1912, 0.2082.

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

26.7812, 0.1912, 0.2082

Protanopia

26.6709, 0.2261, 0.2121

Deuteranopia

26.6942, 0.2075, 0.2010



Tritanopia

26.6041, 0.2185, 0.3067

Trichromacy



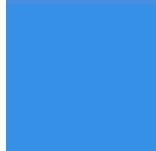
Original Color

26.7812, 0.1912, 0.2082



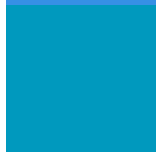
Protanomaly

25.9595, 0.2050, 0.2090



Deuteranomaly

26.3879, 0.1974, 0.2031



Tritanomaly

26.5002, 0.2070, 0.2652

Monochromacy



Original Color

26.7812, 0.1912, 0.2082



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.6660, 0.2344, 0.2726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7812, 0.1912, 0.2082 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, 148, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 228)  
}
```

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, 148, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 228) }
```

Border

The CSS property to change the border of an element to Yxy 26.7812, 0.1912, 0.2082 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, 148, 228) }
```

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

```
.border{ border-color:rgb(0, 148, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7812, 0.1912, 0.2082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 228) }
```

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

```
.background{ background-color: rgb(0, 148,  
228) }
```

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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