

Converting Colors

$Y_{xy}(30.1914, 0.1905, 0.2058)$

Have a look what the booklet for
Yxy(30.1914, 0.1905, 0.2058)
contains.

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Color

Yxy(30.1877, 0.1906, 0.2061)

Conversions

Conversions Part 1

Format	Color
Hex	009CF2
RGB	0, 156, 242
RGB Percent	0%, 61%, 95%
CMY	0.9993, 0.3882, 0.0509
CMYK	1.00, 0.36, 0.00, 0.05
HSL	201°, 100%, 47%
HSV	201°, 100%, 95%
XYZ	27.9174, 30.1877, 88.3660
YIQ	119.1600, -120.5820, -6.3260

Conversions

Conversions Part 2

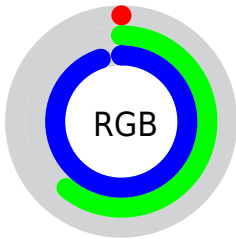
Format	Color
RYB	0, 95, 242
Decimal	40178
CIELab	61.82, -3.05, -52.39
CIELCh	62, 52.478, 266.670
Yxy	30.1877, 0.1906, 0.2061
Android (android.graphics.Color)	4278230258 (0xFF009CF2)
YUV	119.1600, 60.5601, -104.5033
Hunter-Lab	54.9433, -5.4527, -56.8965

Details

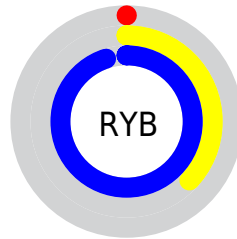
The Yxy color **30.1877, 0.1906, 0.2061** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **25.5643, 0.5846, 0.3740**, and the grayscale version is **18.3517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5644, 0.2290, 0.2733**, and **13.6059, 0.1836, 0.1809** is the 20% darker color. If you saturate the color by 10%, you get **30.1668, 0.1906, 0.2060**, and if you desaturate by 10%, it is **33.3782, 0.1960, 0.2195**.

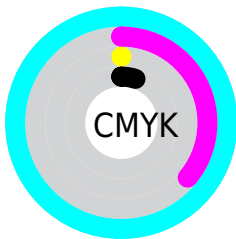
Distribution



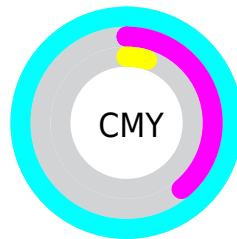
- Red (0%)
- Green (61%)
- Blue (95%)



- Red (0%)
- Yellow (37%)
- Blue (95%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (39%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1877, 0.1906, 0.2061 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 30.1877, 0.1906, 0.2061 by changing the saturation by 10% instead.


 30.1877, 0.1906,
0.2061

 30.1877, 0.1906,
0.2061


302.7784, 0.2515,
0.2679


 19.9811, 0.1762,
0.1913


 59.9589, 0.2123,
0.2282


 12.3813, 0.1584,
0.1730


 80.2923, 0.2206,
0.2367

 7.0039, 0.1362,
0.1499


 104.7700, 0.2276,
0.2439

 3.4646, 0.1084,
0.1207

 133.7766, 0.2337,
0.2500

 1.3788, 0.0742,
0.0844

 167.6963, 0.2390,
0.2554

 0.2010, 0.0144,
0.0247

206.9136, 0.2437,

 0.0000, 0.0000,

0.2601

0.0000

251.8128, 0.2478,
0.2642

■ 30.1877, 0.1906,
0.2061

■ 30.1877, 0.1906,
0.2061

■ 30.1668, 0.1906,
0.2060

■ 33.3782, 0.1960,
0.2195

■ 37.0224, 0.2032,
0.2332

■ 41.2012, 0.2126,
0.2471

■ 45.9636, 0.2239,
0.2608

■ 51.3518, 0.2369,
0.2742

■ 57.4027, 0.2511,
0.2869

■ 64.1500, 0.2662,
0.2988

■ 71.6244, 0.2817,
0.3099

■ 79.8545, 0.2973,
0.3200

Harmonies

Analogous

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



30.1877, 0.1700, 0.2342



30.1877, 0.1906, 0.2061



30.1877, 0.2407, 0.2066

Triad

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



30.1877, 0.1906, 0.2061



30.1877, 0.4664, 0.3314



30.1877, 0.2902, 0.4649

Complementary

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



30.1877, 0.1906, 0.2061



25.5643, 0.5846, 0.3740

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.



30.1877, 0.3702, 0.4846



30.1877, 0.1906, 0.2061



30.1877, 0.4775, 0.3922

Square

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



30.1877, 0.1906, 0.2061



30.1877, 0.4043, 0.2752



30.1877, 0.4393, 0.4498



30.1877, 0.2207, 0.3865

Rectangle

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



30.1877, 0.1906, 0.2061



30.1877, 0.2896, 0.2205



30.1877, 0.4393, 0.4498



30.1877, 0.3168, 0.4790

Sweetspot

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



30.1886, 0.1906, 0.2061



72.1167, 0.2659, 0.2987



64.1636, 0.2860, 0.5497



14.7285, 0.2595, 0.2937



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.



30.1886, 0.1906, 0.2061



33.8808, 0.1905, 0.2056



7.7016, 0.1530, 0.0707



16.9280, 0.2980, 0.3204



16.4718, 0.1912, 0.2082



1.5572, 0.1961, 0.2259

Inverse Universe

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



21.2828, 0.4384, 0.2189



23.9514, 0.4389, 0.2192



62.8936, 0.4490, 0.4817



15.9304, 0.3192, 0.3139



11.4562, 0.4361, 0.2176



0.9719, 0.4169, 0.2070

Previews

White Background



This preview shows how the Yxy color 30.1877, 0.1906, 0.2061 looks on a white background.

Color Contrast Check

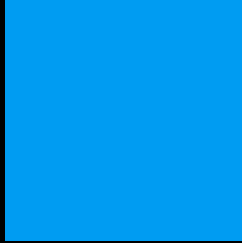
Large Text (above 18pt) WCAG AA × Fail

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 30.1877, 0.1906, 0.2061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

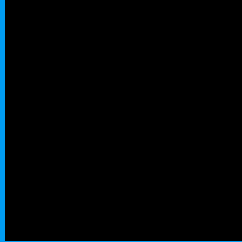
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

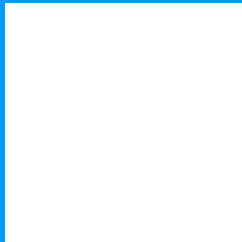
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.1877, 0.1906, 0.2061

Background



This preview shows how black text looks on a background with the Yxy color 30.1877, 0.1906, 0.2061.

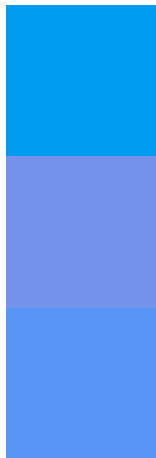


This preview shows how white text looks on a background with the Yxy color 30.1877, 0.1906, 0.2061.

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

30.1877, 0.1906, 0.2061

Protanopia

30.1540, 0.2242, 0.2100

Deuteranopia

30.1013, 0.2060, 0.1994



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.1877, 0.1906, 0.2061

Protanomaly

29.3247, 0.2038, 0.2070

Deuteranomaly

29.7683, 0.1964, 0.2014

Tritanomaly

30.0577, 0.2070, 0.2652

Monochromacy



Original Color

30.1877, 0.1906, 0.2061

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.7194, 0.2334, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1877, 0.1906, 0.2061 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 242) }
```

Border

The CSS property to change the border of an element to Yxy 30.1877, 0.1906, 0.2061 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, 242) }
```

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

```
.border{ border-color:rgb(0, 156, 242) }
```

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, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1877, 0.1906, 0.2061 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, 242) }
```

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

```
.background{ background-color: rgb(0, 156,  
242) }
```

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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