

Converting Colors

$Y_{xy}(28.9032, 0.1896, 0.2025)$

Have a look what the booklet for
Yxy(28.9032, 0.1896, 0.2025)
contains.

Yxy(28.7477, 0.1895, 0.2021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.7477, 0.1895, 0.2021)

Conversions

Conversions Part 1

Format	Color
Hex	0098F0
RGB	0, 152, 240
RGB Percent	0%, 60%, 94%
CMY	0.9986, 0.4039, 0.0589
CMYK	1.00, 0.37, 0.00, 0.06
HSL	202°, 100%, 47%
HSV	202°, 100%, 94%
XYZ	26.9554, 28.7477, 86.5418
YIQ	116.5840, -118.8400, -4.8560

Conversions

Conversions Part 2

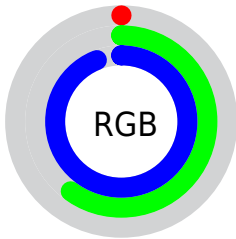
Format	Color
RYB	0, 93, 240
Decimal	39152
CIELab	60.56, -1.49, -53.26
CIELCh	61, 53.285, 268.398
Yxy	28.7477, 0.1895, 0.2021
Android (android.graphics.Color)	4278229232 (0xFF0098F0)
YUV	116.5840, 60.8441, -102.2442
Hunter-Lab	53.6169, -4.0902, -58.1669

Details

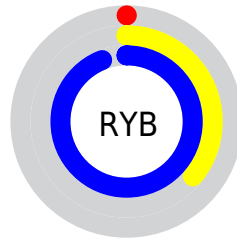
The Yxy color **28.7477, 0.1895, 0.2021** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **25.5546, 0.5812, 0.3766**, and the grayscale version is **17.5247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5508, 0.2275, 0.2680**, and **12.9216, 0.1826, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **28.7031, 0.1894, 0.2019**, and if you desaturate by 10%, it is **31.9119, 0.1950, 0.2159**.

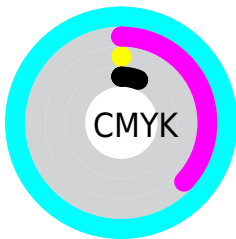
Distribution



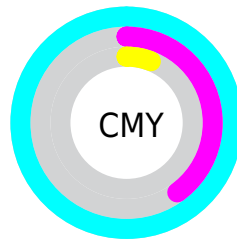
- Red (0%)
- Green (60%)
- Blue (94%)



- Red (0%)
- Yellow (36%)
- Blue (94%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7477, 0.1895, 0.2021 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 28.7477, 0.1895, 0.2021 by changing the saturation by 10% instead.


 28.7477, 0.1895,
0.2021


 28.7477, 0.1895,
0.2021


296.0227, 0.2513,
0.2661

 18.8900, 0.1748,
0.1868


 57.6760, 0.2116,
0.2250


 11.5909, 0.1566,
0.1678


 77.5154, 0.2200,
0.2337


 6.4657, 0.1339,
0.1440


 101.4509, 0.2272,
0.2412

 3.1303, 0.1054,
0.1141

 129.8668, 0.2334,
0.2476

 1.2001, 0.0706,
0.0773

 163.1475, 0.2388,
0.2531

 0.0618, 0.0030,
0.0082

201.6775, 0.2435,

 0.0000, 0.0000,

0.2580

0.0000

245.8411, 0.2476,
0.2623

■ 28.7477, 0.1895,
0.2021

■ 28.7477, 0.1895,
0.2021

■ 28.7031, 0.1894,
0.2019

■ 31.9119, 0.1950,
0.2159

■ 35.5342, 0.2025,
0.2301

■ 39.6936, 0.2120,
0.2444

■ 44.4385, 0.2235,
0.2586

■ 49.8106, 0.2367,
0.2724

■ 55.8464, 0.2510,
0.2856

■ 62.5791, 0.2662,
0.2979

■ 70.0392, 0.2818,
0.3094

■ 78.2551, 0.2975,
0.3198

Harmonies

Analogous

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



28.7477, 0.1668, 0.2288



28.7477, 0.1895, 0.2021



28.7477, 0.2424, 0.2042

Triad

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



28.7477, 0.1895, 0.2021



28.7477, 0.4735, 0.3344



28.7477, 0.2845, 0.4665

Complementary

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



28.7477, 0.1895, 0.2021



25.5546, 0.5812, 0.3766

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.



28.7477, 0.3666, 0.4902



28.7477, 0.1895, 0.2021



28.7477, 0.4812, 0.3968

Square

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



28.7477, 0.1895, 0.2021



28.7477, 0.4119, 0.2766



28.7477, 0.4390, 0.4557



28.7477, 0.2145, 0.3827

Rectangle

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



28.7477, 0.1895, 0.2021



28.7477, 0.2936, 0.2194



28.7477, 0.4390, 0.4557



28.7477, 0.3116, 0.4824

Sweetspot

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



28.7486, 0.1895, 0.2021



71.6354, 0.2658, 0.2977



63.0127, 0.2847, 0.5449



14.6136, 0.2593, 0.2925



0.0000, 0.0000, 0.0000



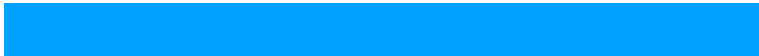
21.4041, 0.3127, 0.3290

Same Dimension

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



28.7486, 0.1895, 0.2021



32.8428, 0.1893, 0.2015



7.3416, 0.1525, 0.0689



16.8964, 0.2980, 0.3201



15.9794, 0.1900, 0.2041



1.5184, 0.1951, 0.2224

Inverse Universe

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



20.7948, 0.4429, 0.2214



23.8466, 0.4436, 0.2218



63.6431, 0.4453, 0.4846



15.9272, 0.3194, 0.3142



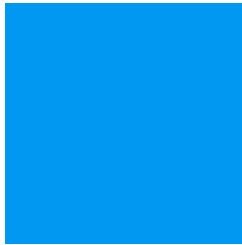
11.4065, 0.4406, 0.2201



0.9680, 0.4207, 0.2091

Previews

White Background



This preview shows how the Yxy color 28.7477, 0.1895, 0.2021 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 28.7477, 0.1895, 0.2021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

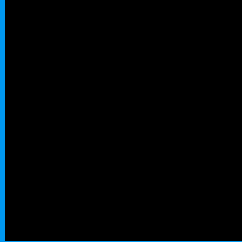
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

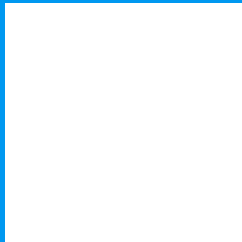
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7477, 0.1895, 0.2021

Background



This preview shows how black text looks on a background with the Yxy color 28.7477, 0.1895, 0.2021.



This preview shows how white text looks on a background with the Yxy color 28.7477, 0.1895, 0.2021.

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

28.7477, 0.1895, 0.2021

Protanopia

28.4950, 0.2211, 0.2055

Deuteranopia

28.6580, 0.2032, 0.1971



Tritanopia

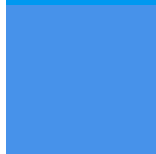
28.5069, 0.2187, 0.3073

Trichromacy



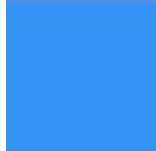
Original Color

28.7477, 0.1895, 0.2021



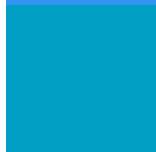
Protanomaly

27.8379, 0.2019, 0.2027



Deuteranomaly

28.2607, 0.1945, 0.1971



Tritanomaly

28.4849, 0.2066, 0.2639

Monochromacy



Original Color

28.7477, 0.1895, 0.2021



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.0698, 0.2333, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7477, 0.1895, 0.2021 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, 152, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 240)  
}
```

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, 152, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 240) }
```

Border

The CSS property to change the border of an element to Yxy 28.7477, 0.1895, 0.2021 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, 152, 240) }
```

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

```
.border{ border-color:rgb(0, 152, 240) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7477, 0.1895, 0.2021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 240) }
```

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

```
.background{ background-color: rgb(0, 152,  
240) }
```

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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