

Converting Colors

$Y_{xy}(24.8343, 0.1606, 0.1925)$

Have a look what the booklet for
Yxy(24.8343, 0.1606, 0.1925)
contains.

Yxy(27.6093, 0.1890, 0.2005)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6093, 0.1890, 0.2005)

Conversions

Conversions Part 1

Format	Color
Hex	0095ED
RGB	0, 149, 237
RGB Percent	0%, 58%, 93%
CMY	1.0000, 0.4156, 0.0706
CMYK	1.00, 0.37, 0.00, 0.07
HSL	202°, 100%, 46%
HSV	202°, 100%, 93%
XYZ	26.0257, 27.6093, 84.0672
YIQ	114.4810, -117.0520, -4.2200

Conversions

Conversions Part 2

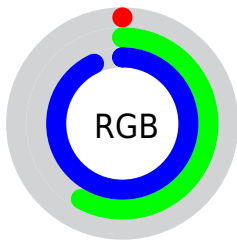
Format	Color
RYB	0, 91, 237
Decimal	38381
CIELab	59.53, -0.90, -53.25
CIELCh	60, 53.255, 269.036
Yxy	27.6093, 0.1890, 0.2005
Android (android.graphics.Color)	4278228461 (0xFF0095ED)
YUV	114.4810, 60.4019, -100.3998
Hunter-Lab	52.5446, -3.5405, -58.0782

Details

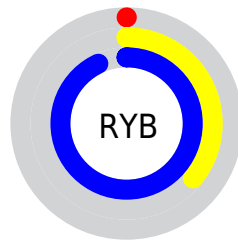
The Yxy color **27.6093, 0.1890, 0.2005** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **24.9766, 0.5803, 0.3774**, and the grayscale version is **16.8234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0577, 0.2262, 0.2640**, and **12.2599, 0.1817, 0.1740** is the 20% darker color. If you saturate the color by 10%, you get **27.6140, 0.1890, 0.2005**, and if you desaturate by 10%, it is **30.6945, 0.1946, 0.2145**.

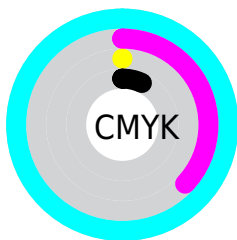
Distribution



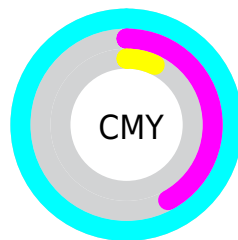
- Red (0%)
- Green (58%)
- Blue (93%)



- Red (0%)
- Yellow (36%)
- Blue (93%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (42%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6093, 0.1890, 0.2005 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 27.6093, 0.1890, 0.2005 by changing the saturation by 10% instead.


 27.6093, 0.1890,
0.2005


 27.6093, 0.1890,
0.2005


290.5953, 0.2514,
0.2655


 18.0314, 0.1741,
0.1849


 55.8601, 0.2114,
0.2239

 10.9725, 0.1555,
0.1655


 75.3017, 0.2199,
0.2327

 6.0483, 0.1323,
0.1412

 98.7999, 0.2272,
0.2403

 2.8745, 0.1033,
0.1106

 126.7393, 0.2334,
0.2468

 1.0666, 0.0678,
0.0731

 159.5041, 0.2388,
0.2524

 0.0000, 0.0000,
0.0000

197.4788, 0.2435,

0.2573

241.0477, 0.2477,
0.2617

■ 27.6093, 0.1890,
0.2005

■ 27.6093, 0.1890,
0.2005

■ 27.6140, 0.1890,
0.2005

■ 30.6945, 0.1946,
0.2145

■ 34.2226, 0.2021,
0.2288

■ 38.2759, 0.2117,
0.2433

■ 42.9017, 0.2232,
0.2577

■ 48.1406, 0.2364,
0.2716

■ 54.0281, 0.2508,
0.2849

■ 60.5967, 0.2659,
0.2974

■ 67.8761, 0.2816,
0.3090

■ 75.8940, 0.2972,
0.3195

Harmonies

Analogous

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



27.6093, 0.1655, 0.2266



27.6093, 0.1890, 0.2005



27.6093, 0.2430, 0.2033

Triad

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



27.6093, 0.1890, 0.2005



27.6093, 0.4763, 0.3356



27.6093, 0.2822, 0.4673

Complementary

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



27.6093, 0.1890, 0.2005



24.9766, 0.5803, 0.3774

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.



27.6093, 0.3653, 0.4925



27.6093, 0.1890, 0.2005



27.6093, 0.4827, 0.3985

Square

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



27.6093, 0.1890, 0.2005



27.6093, 0.4149, 0.2771



27.6093, 0.4390, 0.4580



27.6093, 0.2121, 0.3813

Rectangle

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



27.6093, 0.1890, 0.2005



27.6093, 0.2951, 0.2189



27.6093, 0.4390, 0.4580



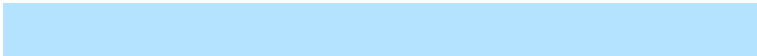
27.6093, 0.3096, 0.4838

Sweetspot

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



27.6140, 0.1890, 0.2005



71.4656, 0.2658, 0.2973



61.2470, 0.2847, 0.5450



14.5731, 0.2593, 0.2921



0.0000, 0.0000, 0.0000



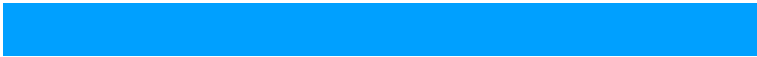
21.4041, 0.3127, 0.3290

Same Dimension

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



27.6140, 0.1890, 0.2005



32.4811, 0.1889, 0.2000



7.1251, 0.1525, 0.0688



16.1275, 0.2981, 0.3200



15.3378, 0.1897, 0.2028



1.3875, 0.1951, 0.2222

Inverse Universe

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



20.1727, 0.4447, 0.2223



23.8101, 0.4453, 0.2227



61.8508, 0.4454, 0.4846



15.2134, 0.3195, 0.3143



11.0412, 0.4421, 0.2209



0.8855, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 27.6093, 0.1890, 0.2005 looks on a white background.

Color Contrast Check

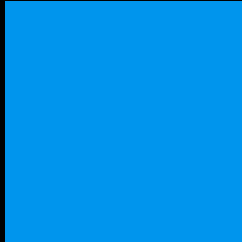
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6093, 0.1890, 0.2005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

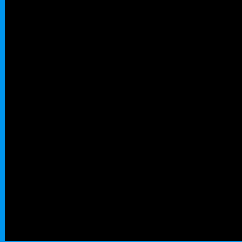
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

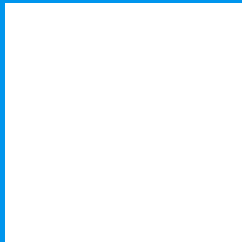
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6093, 0.1890, 0.2005

Background



This preview shows how black text looks on a background with the Yxy color 27.6093, 0.1890, 0.2005.

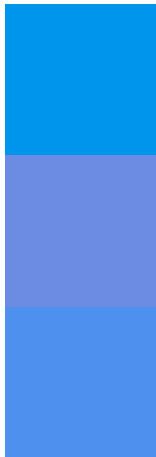


This preview shows how white text looks on a background with the Yxy color 27.6093, 0.1890, 0.2005.

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

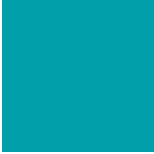
27.6093, 0.1890, 0.2005

Protanopia

27.5457, 0.2202, 0.2052

Deuteranopia

27.7393, 0.2024, 0.1967



Tritanopia

27.6986, 0.2191, 0.3088

Trichromacy



Original Color

27.6093, 0.1890, 0.2005

Protanomaly

26.6797, 0.2012, 0.2010

Deuteranomaly

27.4089, 0.1942, 0.1969

Tritanomaly

27.3377, 0.2064, 0.2629

Monochromacy



Original Color

27.6093, 0.1890, 0.2005

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

19.0984, 0.2327, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6093, 0.1890, 0.2005 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, 149, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 237)  
}
```

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, 149, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 237) }
```

Border

The CSS property to change the border of an element to Yxy 27.6093, 0.1890, 0.2005 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, 149, 237) }
```

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

```
.border{ border-color:rgb(0, 149, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6093, 0.1890, 0.2005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 237) }
```

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

```
.background{ background-color: rgb(0, 149,  
237) }
```

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