

Converting Colors

$Yxy(18.9215, 0.0673, 0.1807)$

Have a look what the booklet for
Yxy(18.9215, 0.0673, 0.1807)
contains.

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Color

Yxy(28.5520, 0.1925, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	0099E7
RGB	0, 153, 231
RGB Percent	0%, 60%, 91%
CMY	0.9986, 0.4000, 0.0942
CMYK	1.00, 0.34, 0.00, 0.09
HSL	200°, 100%, 45%
HSV	200°, 100%, 91%
XYZ	25.8162, 28.5520, 79.7418
YIQ	116.1450, -116.2260, -8.1780

Conversions

Conversions Part 2

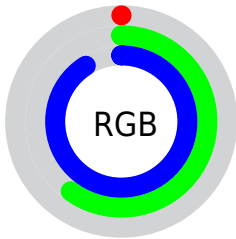
Format	Color
R _{YB}	0, 92, 231
Decimal	39399
CIE _{Lab}	60.38, -5.43, -48.58
CIE _{LCh}	60, 48.882, 263.617
Yxy	28.5520, 0.1925, 0.2129
Android (android.graphics.Color)	4278229479 (0xFF0099E7)
YUV	116.1450, 56.6235, -101.8592
Hunter-Lab	53.4341, -7.2691, -51.0769

Details

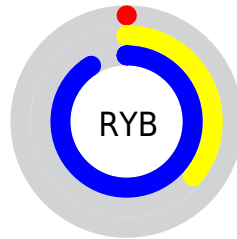
The Yxy color **28.5520, 0.1925, 0.2129** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **22.4840, 0.5886, 0.3707**, and the grayscale version is **17.3942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9098, 0.2270, 0.2692**, and **12.5979, 0.1853, 0.1869** is the 20% darker color. If you saturate the color by 10%, you get **28.5125, 0.1924, 0.2127**, and if you desaturate by 10%, it is **31.3792, 0.1977, 0.2256**.

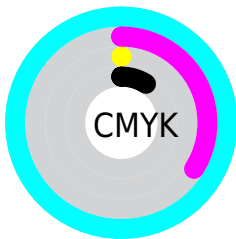
Distribution



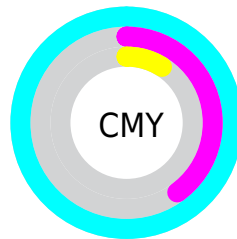
- Red (0%)
- Green (60%)
- Blue (91%)



- Red (0%)
- Yellow (36%)
- Blue (91%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (40%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5520, 0.1925, 0.2129 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 28.5520, 0.1925, 0.2129 by changing the saturation by 10% instead.


 28.5520, 0.1925,
0.2129


 28.5520, 0.1925,
0.2129


295.0953, 0.2531,
0.2725


 18.7422, 0.1779,
0.1982


 57.3645, 0.2143,
0.2345


 11.4841, 0.1597,
0.1798


 77.1360, 0.2226,
0.2427

 6.3935, 0.1368,
0.1563


 100.9969, 0.2296,
0.2496

 3.0858, 0.1077,
0.1260

 129.3315, 0.2357,
0.2555

 1.1767, 0.0717,
0.0873

 162.5242, 0.2409,
0.2606

 0.0425, 0.0000,
0.0068

200.9595, 0.2455,

 0.0000, 0.0000,

0.2651

0.0000

245.0217, 0.2495,
0.2690

■ 28.5520, 0.1925,
0.2129

■ 28.5520, 0.1925,
0.2129

■ 28.5125, 0.1924,
0.2127

■ 31.3792, 0.1977,
0.2256

■ 34.5968, 0.2048,
0.2386

■ 38.2771, 0.2139,
0.2517

■ 42.4634, 0.2250,
0.2647

■ 47.1925, 0.2377,
0.2772

■ 52.4969, 0.2517,
0.2892

■ 58.4061, 0.2666,
0.3005

■ 64.9470, 0.2819,
0.3110

■ 72.1449, 0.2975,
0.3205

Harmonies

Analogous

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



28.5520, 0.1755, 0.2435



28.5520, 0.1925, 0.2129



28.5520, 0.2379, 0.2105

Triad

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



28.5520, 0.1925, 0.2129



28.5520, 0.4546, 0.3262



28.5520, 0.2996, 0.4619

Complementary

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



28.5520, 0.1925, 0.2129



22.4840, 0.5886, 0.3707

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.



28.5520, 0.3759, 0.4754



28.5520, 0.1925, 0.2129



28.5520, 0.4710, 0.3847

Square

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



28.5520, 0.1925, 0.2129



28.5520, 0.3918, 0.2728



28.5520, 0.4394, 0.4401



28.5520, 0.2310, 0.3924

Rectangle

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



28.5520, 0.1925, 0.2129



28.5520, 0.2832, 0.2224



28.5520, 0.4394, 0.4401



28.5520, 0.3253, 0.4732

Sweetspot

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



28.5529, 0.1925, 0.2129



72.8561, 0.2661, 0.3002



57.6860, 0.2871, 0.5534



14.9051, 0.2597, 0.2955



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.



28.5529, 0.1925, 0.2129



35.5121, 0.1922, 0.2120



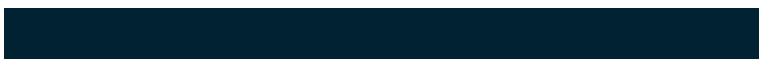
7.2080, 0.1537, 0.0731



15.4724, 0.2981, 0.3209



16.2249, 0.1930, 0.2147



1.3691, 0.1982, 0.2334

Inverse Universe

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



19.2942, 0.4309, 0.2148



24.1161, 0.4319, 0.2153



54.9275, 0.4526, 0.4788



14.5280, 0.3189, 0.3136



10.8356, 0.4289, 0.2136



0.8179, 0.4091, 0.2027

Previews

White Background



This preview shows how the Yxy color 28.5520, 0.1925, 0.2129 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 28.5520, 0.1925, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

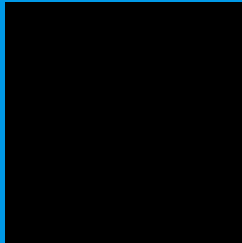
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

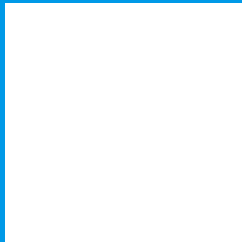
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5520, 0.1925, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 28.5520, 0.1925, 0.2129.



This preview shows how white text looks on a background with the Yxy color 28.5520, 0.1925, 0.2129.

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

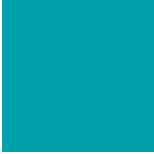
28.5520, 0.1925, 0.2129

Protanopia

28.2795, 0.2293, 0.2167

Deuteranopia

28.4611, 0.2114, 0.2050



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5520, 0.1925, 0.2129

Protanomaly

27.4499, 0.2065, 0.2123

Deuteranomaly

27.9358, 0.1994, 0.2066

Tritanomaly

28.3488, 0.2079, 0.2683

Monochromacy



Original Color

28.5520, 0.1925, 0.2129

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.6250, 0.2349, 0.2736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5520, 0.1925, 0.2129 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, 153, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 231)  
}
```

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, 153, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 231) }
```

Border

The CSS property to change the border of an element to Yxy 28.5520, 0.1925, 0.2129 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, 153, 231) }
```

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

```
.border{ border-color:rgb(0, 153, 231) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5520, 0.1925, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 231) }
```

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

```
.background{ background-color: rgb(0, 153,  
231) }
```

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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