

Converting Colors

$Yxy(28.6933, 0.1869, 0.1928)$

Have a look what the booklet for
Yxy(28.6933, 0.1869, 0.1928)
contains.

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Color

Yxy(28.5281, 0.1868, 0.1924)

Conversions

Conversions Part 1

Format	Color
Hex	0096F7
RGB	0, 150, 247
RGB Percent	0%, 59%, 97%
CMY	0.9989, 0.4118, 0.0313
CMYK	1.00, 0.39, 0.00, 0.03
HSL	204°, 100%, 48%
HSV	204°, 100%, 97%
XYZ	27.6978, 28.5281, 92.0491
YIQ	116.2080, -120.5370, -1.6330

Conversions

Conversions Part 2

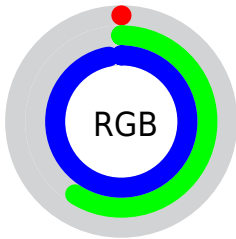
Format	Color
R _{YB}	0, 93, 247
Decimal	38647
CIE _{Lab}	60.36, 2.34, -57.45
CIE _{LCh}	60, 57.498, 272.333
Yxy	28.5281, 0.1868, 0.1924
Android (android.graphics.Color)	4278228727 (0xFF0096F7)
YUV	116.2080, 64.4805, -101.9144
Hunter-Lab	53.4117, -0.9056, -64.7915

Details

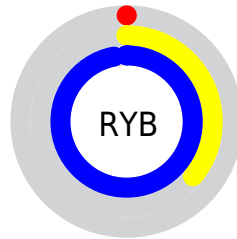
The Yxy color **28.5281, 0.1868, 0.1924** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.3789, 0.5744, 0.3821**, and the grayscale version is **17.3843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7207, 0.2277, 0.2655**, and **12.8320, 0.1795, 0.1663** is the 20% darker color. If you saturate the color by 10%, you get **28.4929, 0.1867, 0.1922**, and if you desaturate by 10%, it is **31.9626, 0.1926, 0.2072**.

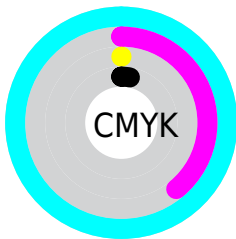
Distribution



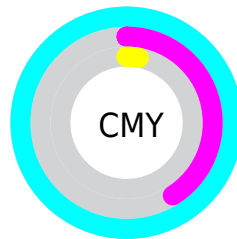
- Red (0%)
- Green (59%)
- Blue (97%)



- Red (0%)
- Yellow (36%)
- Blue (97%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (41%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5281, 0.1868, 0.1924 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 28.5281, 0.1868, 0.1924 by changing the saturation by 10% instead.


 28.5281, 0.1868,
0.1924


 28.5281, 0.1868,
0.1924


294.9818, 0.2498,
0.2602

 18.7241, 0.1720,
0.1765


 57.3265, 0.2092,
0.2164


 11.4711, 0.1537,
0.1571


 77.0897, 0.2178,
0.2257


 6.3847, 0.1310,
0.1331


 100.9414, 0.2251,
0.2336

 3.0804, 0.1029,
0.1036

 129.2661, 0.2314,
0.2404

 1.1738, 0.0690,
0.0683

 162.4480, 0.2369,
0.2463

 0.0402, 0.0110,
0.0046

200.8717, 0.2417,

 0.0000, 0.0000,

0.2515

0.0000

244.9215, 0.2460,
0.2561

■ 28.5281, 0.1868,
0.1924

■ 28.5281, 0.1868,
0.1924

■ 28.4929, 0.1867,
0.1922

■ 31.9626, 0.1926,
0.2072

■ 35.9182, 0.2003,
0.2224

■ 40.4798, 0.2103,
0.2378

■ 45.7010, 0.2222,
0.2532

■ 51.6273, 0.2357,
0.2681

■ 58.2992, 0.2504,
0.2823

■ 65.7532, 0.2658,
0.2956

■ 74.0232, 0.2816,
0.3079

■ 83.1404, 0.2974,
0.3190

Harmonies

Analogous

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



28.5281, 0.1589, 0.2155



28.5281, 0.1868, 0.1924



28.5281, 0.2467, 0.1986

Triad

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



28.5281, 0.1868, 0.1924



28.5281, 0.4908, 0.3417



28.5281, 0.2700, 0.4704

Complementary

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



28.5281, 0.1868, 0.1924



28.3789, 0.5744, 0.3821

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.



28.5281, 0.3574, 0.5046



28.5281, 0.1868, 0.1924



28.5281, 0.4898, 0.4078

Square

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



28.5281, 0.1868, 0.1924



28.5281, 0.4312, 0.2800



28.5281, 0.4377, 0.4705



28.5281, 0.1993, 0.3728

Rectangle

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



28.5281, 0.1868, 0.1924



28.5281, 0.3037, 0.2167



28.5281, 0.4377, 0.4705



28.5281, 0.2985, 0.4909

Sweetspot

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



28.5290, 0.1868, 0.1924



70.5520, 0.2655, 0.2954



67.3525, 0.2835, 0.5405



14.3554, 0.2590, 0.2899



0.0000, 0.0000, 0.0000



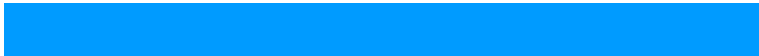
21.4041, 0.3127, 0.3290

Same Dimension

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



28.5290, 0.1868, 0.1924



30.5752, 0.1867, 0.1920



7.5994, 0.1520, 0.0670



17.6002, 0.2980, 0.3195



15.3524, 0.1874, 0.1947



1.5492, 0.1926, 0.2133

Inverse Universe

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



21.9836, 0.4540, 0.2275



23.6177, 0.4544, 0.2277



70.0351, 0.4418, 0.4873



16.6515, 0.3198, 0.3147



11.6492, 0.4513, 0.2260



1.0440, 0.4305, 0.2145

Previews

White Background



This preview shows how the Yxy color 28.5281, 0.1868, 0.1924 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 28.5281, 0.1868, 0.1924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

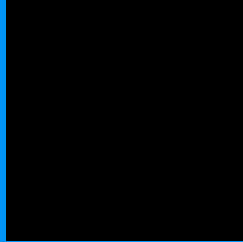
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

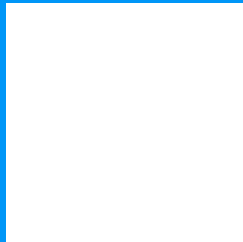
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.5281, 0.1868, 0.1924

Background



This preview shows how black text looks on a background with the Yxy color 28.5281, 0.1868, 0.1924.



This preview shows how white text looks on a background with the Yxy color 28.5281, 0.1868, 0.1924.

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

28.5281, 0.1868, 0.1924

Protanopia

28.2850, 0.2137, 0.1955

Deuteranopia

28.5284, 0.1958, 0.1892



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



Original Color

28.5281, 0.1868, 0.1924

Protanomaly

27.5506, 0.1970, 0.1917

Deuteranomaly

28.1583, 0.1901, 0.1886

Tritanomaly

28.2375, 0.2054, 0.2593

Monochromacy



Original Color

28.5281, 0.1868, 0.1924

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

19.5745, 0.2305, 0.2617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5281, 0.1868, 0.1924 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, 150, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 247)  
}
```

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, 150, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 247) }
```

Border

The CSS property to change the border of an element to Yxy 28.5281, 0.1868, 0.1924 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, 150, 247) }
```

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

```
.border{ border-color:rgb(0, 150, 247) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5281, 0.1868, 0.1924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 247) }
```

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

```
.background{ background-color: rgb(0, 150,  
247) }
```

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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