

Converting Colors

$Yxy(29.3946, 0.1878, 0.1959)$

Have a look what the booklet for
Yxy(29.3946, 0.1878, 0.1959)
contains.

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Color

Yxy(29.5043, 0.1881, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	0299F7
RGB	2, 153, 247
RGB Percent	1%, 60%, 97%
CMY	0.9933, 0.4001, 0.0313
CMYK	0.99, 0.38, 0.00, 0.03
HSL	203°, 99%, 49%
HSV	203°, 99%, 97%
XYZ	28.2000, 29.5043, 92.2159
YIQ	118.5670, -120.1700, -2.7780

Conversions

Conversions Part 2

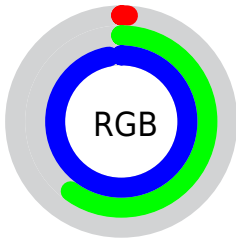
Format	Color
R _Y B	2, 95, 247
Decimal	170487
CIE Lab	61.22, 0.62, -56.08
CIE LCh	61, 56.083, 270.634
Yxy	29.5043, 0.1881, 0.1968
Android (android.graphics.Color)	4278360567 (0xFF0299F7)
YUV	118.5670, 63.3175, -102.2293
Hunter-Lab	54.3179, -2.3851, -62.6347

Details

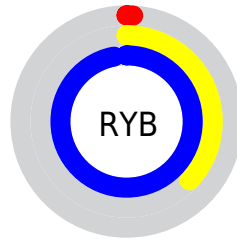
The Yxy color **29.5043, 0.1881, 0.1968** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.0997, 0.5758, 0.3804**, and the grayscale version is **18.0991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1606, 0.2285, 0.2694**, and **13.4182, 0.1811, 0.1718** is the 20% darker color. If you saturate the color by 10%, you get **29.2797, 0.1877, 0.1958**, and if you desaturate by 10%, it is **32.9425, 0.1938, 0.2112**.

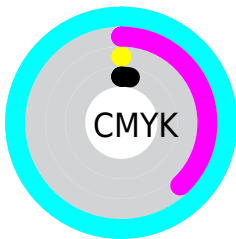
Distribution



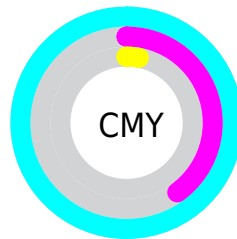
- Red (1%)
- Green (60%)
- Blue (97%)



- Red (1%)
- Yellow (37%)
- Blue (97%)



- Cyan (99%)
- Magenta (38%)
- Yellow (0%)
- Black (3%)



- Cyan (99%)
- Magenta (40%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5043, 0.1881, 0.1968 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 29.5043, 0.1881, 0.1968 by changing the saturation by 10% instead.

■ 29.5043, 0.1881,
0.1968

■ 29.5043, 0.1881,
0.1968

■ 299.5870, 0.2502,
0.2626

■ 19.4626, 0.1735,
0.1814

■ 58.8774, 0.2102,
0.2201

■ 12.0050, 0.1555,
0.1624

■ 78.9776, 0.2186,
0.2291

■ 6.7471, 0.1332,
0.1388

■ 103.1994, 0.2259,
0.2367

■ 3.3045, 0.1054,
0.1096

■ 131.9273, 0.2321,
0.2433

■ 1.2927, 0.0717,
0.0742

■ 165.5456, 0.2375,
0.2491

■ 0.1355, 0.0162,
0.0153

■ 204.4387, 0.2423,

■ 0.0000, 0.0000,

0.2541

0.0000

248.9910, 0.2465,
0.2586

■ 29.5043, 0.1881,
0.1968

■ 29.5043, 0.1881,
0.1968

■ 29.2797, 0.1877,
0.1958

■ 32.9425, 0.1938,
0.2112

■ 36.8990, 0.2016,
0.2261

■ 41.4527, 0.2115,
0.2411

■ 46.6561, 0.2234,
0.2560

■ 52.5541, 0.2368,
0.2705

■ 59.1864, 0.2514,
0.2843

■ 66.5891, 0.2668,
0.2972

■ 74.7952, 0.2825,
0.3091

■ 83.8358, 0.2983,
0.3199

Harmonies

Analogous

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



29.5043, 0.1625, 0.2214



29.5043, 0.1881, 0.1968



29.5043, 0.2448, 0.2012

Triad

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



29.5043, 0.1881, 0.1968



29.5043, 0.4829, 0.3385



29.5043, 0.2766, 0.4686

Complementary

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



29.5043, 0.1881, 0.1968



28.0997, 0.5758, 0.3804

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.



29.5043, 0.3615, 0.4979



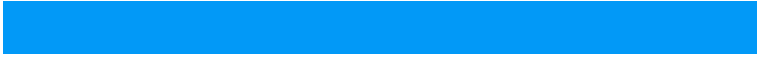
29.5043, 0.1881, 0.1968



29.5043, 0.4859, 0.4029

Square

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



29.5043, 0.1881, 0.1968



29.5043, 0.4224, 0.2785



29.5043, 0.4383, 0.4638



29.5043, 0.2062, 0.3773

Rectangle

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



29.5043, 0.1881, 0.1968



29.5043, 0.2991, 0.2180



29.5043, 0.4383, 0.4638



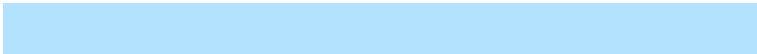
29.5043, 0.3045, 0.4869

Sweetspot

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



29.5052, 0.1881, 0.1968



70.9608, 0.2656, 0.2962



67.3086, 0.2846, 0.5441



14.4528, 0.2591, 0.2909



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.



29.5052, 0.1881, 0.1968



31.4195, 0.1877, 0.1956



7.8957, 0.1527, 0.0693



17.6286, 0.2980, 0.3197



15.7662, 0.1884, 0.1982



1.5841, 0.1934, 0.2164

Inverse Universe

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



22.1136, 0.4489, 0.2249



23.7030, 0.4503, 0.2254



68.0301, 0.4451, 0.4845



16.6543, 0.3197, 0.3145



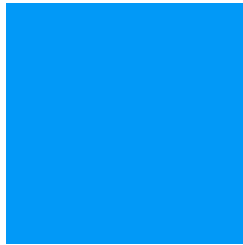
11.6910, 0.4473, 0.2238



1.0476, 0.4272, 0.2127

Previews

White Background



This preview shows how the Yxy color 29.5043, 0.1881, 0.1968 looks on a white background.

Color Contrast Check

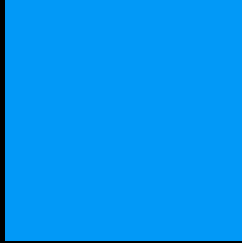
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5043, 0.1881, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

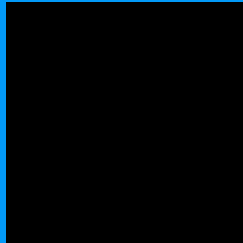
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

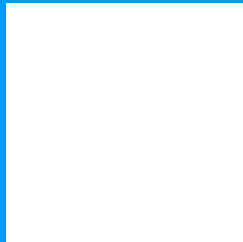
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5043, 0.1881, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 29.5043, 0.1881, 0.1968.



This preview shows how white text looks on a background with the Yxy color 29.5043, 0.1881, 0.1968.

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

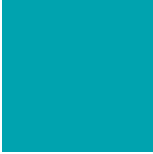
29.5108, 0.1881, 0.1968

Protanopia

29.3708, 0.2173, 0.2012

Deuteranopia

29.4530, 0.1992, 0.1928



Tritanopia

29.2895, 0.2188, 0.3075

Trichromacy



Original Color

29.5108, 0.1881, 0.1968

Protanomaly

28.5204, 0.1995, 0.1973

Deuteranomaly

29.2184, 0.1923, 0.1932

Tritanomaly

29.0198, 0.2056, 0.2600

Monochromacy



Original Color

29.5108, 0.1881, 0.1968

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.4857, 0.2324, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5043, 0.1881, 0.1968 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(2, 153, 247)` looks like.

```
.text, #text, p{  
    color:rgb(2, 153, 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(2, 153, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 153, 247) }
```

Border

The CSS property to change the border of an element to Yxy 29.5043, 0.1881, 0.1968 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(2, 153, 247) }
```

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

```
.border{ border-color:rgb(2, 153, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 153, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 153, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 153, 247);  
box-shadow:4px 4px 4px 4px rgb(2, 153,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5043, 0.1881, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 153, 247) }
```

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

```
.background{ background-color: rgb(2, 153,  
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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