

Converting Colors

$Yxy(28.7326, 0.1871, 0.1891)$

Have a look what the booklet for
 $Y_{xy}(28.7326, 0.1871, 0.1891)$
contains.

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Color

Yxy(28.8635, 0.1874, 0.1901)

Conversions

Conversions Part 1

Format	Color
Hex	1496FA
RGB	20, 150, 250
RGB Percent	8%, 59%, 98%
CMY	0.9206, 0.4118, 0.0196
CMYK	0.92, 0.40, 0.00, 0.02
HSL	206°, 96%, 53%
HSV	206°, 92%, 98%
XYZ	28.4536, 28.8635, 94.5162
YIQ	122.5300, -109.5800, 3.5400

Conversions

Conversions Part 2

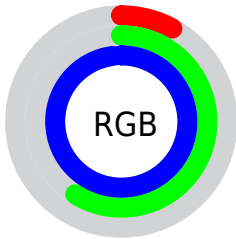
Format	Color
R _Y B	20, 103, 250
Decimal	1349370
CIE Lab	60.66, 4.04, -58.61
CIE LCh	61, 58.751, 273.947
Yxy	28.8635, 0.1874, 0.1901
Android (android.graphics.Color)	4279539450 (0xFF1496FA)
YUV	122.5300, 62.8427, -89.9188
Hunter-Lab	53.7248, 0.5183, -66.6996

Details

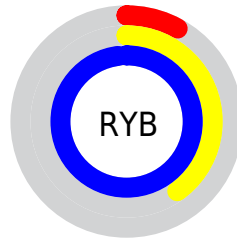
The Yxy color **28.8635, 0.1874, 0.1901** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **33.8710, 0.5451, 0.3987**, and the grayscale version is **19.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9831, 0.2293, 0.2657**, and **12.9646, 0.1787, 0.1634** is the 20% darker color. If you saturate the color by 10%, you get **26.0053, 0.1825, 0.1771**, and if you desaturate by 10%, it is **32.9123, 0.1952, 0.2068**.

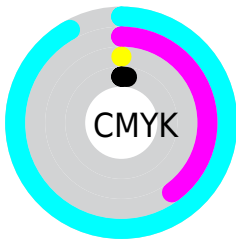
Distribution



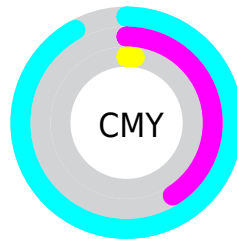
- Red (8%)
- Green (59%)
- Blue (98%)



- Red (8%)
- Yellow (40%)
- Blue (98%)



- Cyan (92%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)





- Cyan (92%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8635, 0.1874, 0.1901 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 28.8635, 0.1874, 0.1901 by changing the saturation by 10% instead.


 28.8635, 0.1874,
0.1901


 28.8635, 0.1874,
0.1901


296.5704, 0.2500,
0.2586

 18.9776, 0.1727,
0.1742


 57.8601, 0.2096,
0.2143


 11.6541, 0.1546,
0.1548


 77.7397, 0.2182,
0.2236

 6.5086, 0.1322,
0.1310


 101.7192, 0.2254,
0.2316

 3.1567, 0.1044,
0.1018

 130.1831, 0.2317,
0.2385

 1.2141, 0.0709,
0.0672

 163.5157, 0.2372,
0.2445

 0.0732, 0.0181,
0.0079

202.1016, 0.2420,

 0.0000, 0.0000,

0.2498

0.0000

246.3250, 0.2462,
0.2544

■ 28.8635, 0.1874,
0.1901

■ 28.8635, 0.1874,
0.1901

■ 26.0053, 0.1825,
0.1771

■ 32.9123, 0.1952,
0.2068

■ 37.6269, 0.2054,
0.2239

■ 43.0675, 0.2175,
0.2411

■ 49.2849, 0.2314,
0.2579

■ 56.3235, 0.2464,
0.2739

■ 64.2238, 0.2621,
0.2890

■ 73.0230, 0.2782,
0.3029

■ 82.7558, 0.2942,
0.3156

■ 93.4546, 0.3098,
0.3270

Harmonies

Analogous

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



28.8635, 0.1575, 0.2115



28.8635, 0.1874, 0.1901



28.8635, 0.2498, 0.1978

Triad

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



28.8635, 0.1874, 0.1901



28.8635, 0.4954, 0.3450



28.8635, 0.2646, 0.4692

Complementary

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



28.8635, 0.1874, 0.1901



33.8710, 0.5451, 0.3987

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.



28.8635, 0.3528, 0.5080



28.8635, 0.1874, 0.1901



28.8635, 0.4907, 0.4120

Square

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



28.8635, 0.1874, 0.1901



28.8635, 0.4378, 0.2822



28.8635, 0.4354, 0.4754



28.8635, 0.1945, 0.3675

Rectangle

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



28.8635, 0.1874, 0.1901



28.8635, 0.3086, 0.2170



28.8635, 0.4354, 0.4754



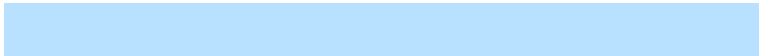
28.8635, 0.2932, 0.4914

Sweetspot

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



28.8644, 0.1874, 0.1901



70.6296, 0.2683, 0.2945



69.8761, 0.2765, 0.5103



14.2957, 0.2614, 0.2883



0.0000, 0.0000, 0.0000



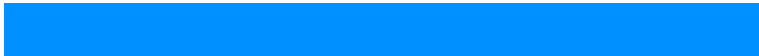
21.4041, 0.3127, 0.3290

Same Dimension

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



28.8644, 0.1874, 0.1901



27.1671, 0.1825, 0.1769



8.2892, 0.1546, 0.0705



18.2697, 0.2980, 0.3184



14.0852, 0.1833, 0.1797



1.5154, 0.1887, 0.1991

Inverse Universe

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



23.0355, 0.4558, 0.2324



23.2737, 0.4722, 0.2375



79.6133, 0.4292, 0.4939



17.3894, 0.3205, 0.3157



11.8328, 0.4689, 0.2357



1.1172, 0.4463, 0.2232

Previews

White Background



This preview shows how the Yxy color 28.8635, 0.1874, 0.1901 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 28.8635, 0.1874, 0.1901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

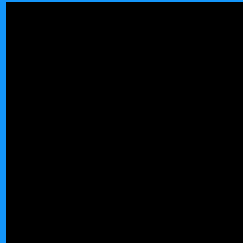
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

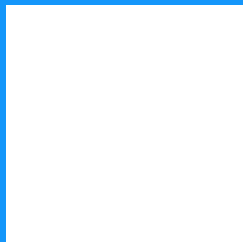
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.8635, 0.1874, 0.1901

Background



This preview shows how black text looks on a background with the Yxy color 28.8635, 0.1874, 0.1901.



This preview shows how white text looks on a background with the Yxy color 28.8635, 0.1874, 0.1901.

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

28.8635, 0.1874, 0.1901

Protanopia

28.6999, 0.2122, 0.1939

Deuteranopia

28.8892, 0.1941, 0.1875



Tritanopia

28.8578, 0.2192, 0.3091

Trichromacy



Original Color

28.8635, 0.1874, 0.1901

Protanomaly

28.2992, 0.1988, 0.1912

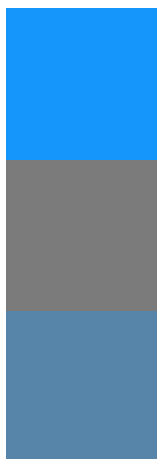
Deuteranomaly

28.7492, 0.1904, 0.1877

Tritanomaly

28.7159, 0.2056, 0.2583

Monochromacy



Original Color

28.8635, 0.1874, 0.1901

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.6181, 0.2373, 0.2646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8635, 0.1874, 0.1901 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(20, 150, 250)` looks like.

```
.text, #text, p{  
    color:rgb(20, 150, 250)  
}
```

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(20, 150, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 150, 250) }
```

Border

The CSS property to change the border of an element to Yxy 28.8635, 0.1874, 0.1901 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(20, 150, 250) }
```

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

```
.border{ border-color:rgb(20, 150, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 150, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 150, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 150, 250);  
box-shadow:4px 4px 4px 4px rgb(20, 150,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8635, 0.1874, 0.1901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 150, 250) }
```

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

```
.background{ background-color: rgb(20, 150,  
250) }
```

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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