

Converting Colors

$Y_{xy}(29.7750, 0.1868, 0.1883)$

Have a look what the booklet for
Yxy(29.7750, 0.1868, 0.1883)
contains.

Yxy(29.8252, 0.1869, 0.1885)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.8252, 0.1869, 0.1885)

Conversions

Conversions Part 1

Format	Color
Hex	1498FF
RGB	20, 152, 255
RGB Percent	8%, 60%, 100%
CMY	0.9208, 0.4040, 0.0000
CMYK	0.92, 0.40, 0.00, 0.00
HSL	206°, 100%, 54%
HSV	206°, 92%, 100%
XYZ	29.5720, 29.8252, 98.8266
YIQ	124.2740, -111.7350, 4.0490

Conversions

Conversions Part 2

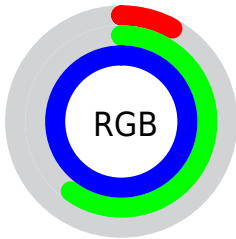
Format	Color
R _Y B	20, 105, 255
Decimal	1349887
CIE Lab	61.50, 4.74, -60.02
CIE LCh	62, 60.204, 274.516
Yxy	29.8252, 0.1869, 0.1885
Android (android.graphics.Color)	4279539967 (0xFF1498FF)
YUV	124.2740, 64.4479, -91.4483
Hunter-Lab	54.6125, 1.0840, -69.0624

Details

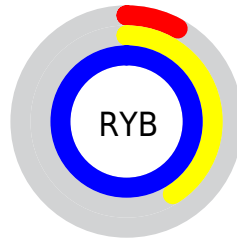
The Yxy color **29.8252, 0.1869, 0.1885** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **35.5261, 0.5448, 0.3993**, and the grayscale version is **20.0792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0756, 0.2307, 0.2685**, and **13.5800, 0.1784, 0.1621** is the 20% darker color. If you saturate the color by 10%, you get **26.9055, 0.1822, 0.1757**, and if you desaturate by 10%, it is **34.0513, 0.1947, 0.2053**.

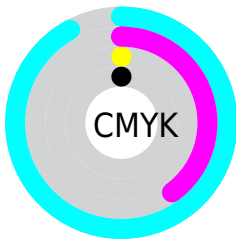
Distribution



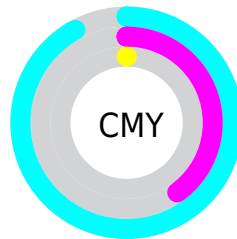
- Red (8%)
- Green (60%)
- Blue (100%)



- Red (8%)
- Yellow (41%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8252, 0.1869, 0.1885 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 29.8252, 0.1869, 0.1885 by changing the saturation by 10% instead.


 29.8252, 0.1869,
0.1885


 29.8252, 0.1869,
0.1885


301.0888, 0.2493,
0.2572

 19.7059, 0.1723,
0.1727


 59.3856, 0.2090,
0.2126


 12.1815, 0.1545,
0.1536


 79.5956, 0.2175,
0.2219

 6.8674, 0.1325,
0.1302


 103.9379, 0.2247,
0.2299

 3.3793, 0.1053,
0.1016

 132.7970, 0.2310,
0.2369

 1.3328, 0.0726,
0.0679

 166.5573, 0.2365,
0.2429

 0.1664, 0.0263,
0.0160

205.6030, 0.2413,

 0.0000, 0.0000,

0.2483

0.0000

250.3188, 0.2455,
0.2530

■ 29.8252, 0.1869,
0.1885

■ 29.8252, 0.1869,
0.1885

■ 26.9055, 0.1822,
0.1757

■ 34.0513, 0.1947,
0.2053

■ 38.9799, 0.2049,
0.2226

■ 44.6733, 0.2170,
0.2399

■ 51.1848, 0.2309,
0.2569

■ 58.5617, 0.2460,
0.2731

■ 66.8466, 0.2618,
0.2883

■ 76.0788, 0.2778,
0.3024

■ 86.2948, 0.2939,
0.3152

■ 97.5290, 0.3095,
0.3268

Harmonies

Analogous

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



29.8252, 0.1562, 0.2093



29.8252, 0.1869, 0.1885



29.8252, 0.2505, 0.1969

Triad

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



29.8252, 0.1869, 0.1885



29.8252, 0.4983, 0.3461



29.8252, 0.2622, 0.4698

Complementary

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



29.8252, 0.1869, 0.1885



35.5261, 0.5448, 0.3993

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.



29.8252, 0.3513, 0.5105



29.8252, 0.1869, 0.1885



29.8252, 0.4921, 0.4138

Square

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



29.8252, 0.1869, 0.1885



29.8252, 0.4411, 0.2827



29.8252, 0.4351, 0.4779



29.8252, 0.1920, 0.3658

Rectangle

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



29.8252, 0.1869, 0.1885



29.8252, 0.3103, 0.2165



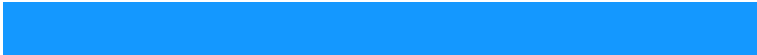
29.8252, 0.4351, 0.4779



29.8252, 0.2910, 0.4929

Sweetspot

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



29.8245, 0.1869, 0.1885



70.4993, 0.2683, 0.2942



73.0744, 0.2766, 0.5108



14.2644, 0.2614, 0.2880



0.0000, 0.0000, 0.0000



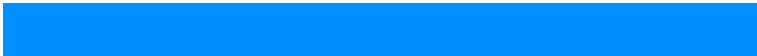
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8245, 0.1869, 0.1885



26.9055, 0.1822, 0.1757



8.6230, 0.1544, 0.0702



19.0695, 0.2979, 0.3183



14.3614, 0.1829, 0.1784



1.6160, 0.1881, 0.1970

Inverse Universe

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



24.0337, 0.4576, 0.2332



23.2473, 0.4737, 0.2383



83.2469, 0.4293, 0.4940



18.1579, 0.3206, 0.3157



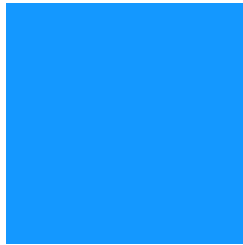
12.1778, 0.4705, 0.2366



1.2077, 0.4487, 0.2245

Previews

White Background



This preview shows how the Yxy color 29.8252, 0.1869, 0.1885 looks on a white background.

Color Contrast Check

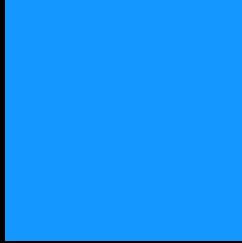
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8252, 0.1869, 0.1885 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

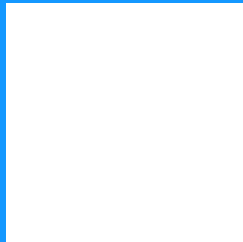
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.8252, 0.1869, 0.1885

Background



This preview shows how black text looks on a background with the Yxy color 29.8252, 0.1869, 0.1885.



This preview shows how white text looks on a background with the Yxy color 29.8252, 0.1869, 0.1885.

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

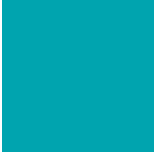
29.8252, 0.1869, 0.1885

Protanopia

29.6050, 0.2107, 0.1921

Deuteranopia

29.7390, 0.1933, 0.1867



Tritanopia

29.6461, 0.2193, 0.3094

Trichromacy



Original Color

29.8252, 0.1869, 0.1885

Protanomaly

29.2254, 0.1979, 0.1895

Deuteranomaly

29.6370, 0.1901, 0.1870

Tritanomaly

29.5464, 0.2054, 0.2576

Monochromacy



Original Color

29.8252, 0.1869, 0.1885

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.0072, 0.2357, 0.2618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8252, 0.1869, 0.1885 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, 152, 255)` looks like.

```
.text, #text, p{  
  color:rgb(20, 152, 255)  
}
```

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, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.8252, 0.1869, 0.1885 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, 152, 255) }
```

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

```
.border{ border-color:rgb(20, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8252, 0.1869, 0.1885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 152, 255) }
```

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

```
.background{ background-color: rgb(20, 152,  
255) }
```

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