

Converting Colors

$Y_{xy}(29.5238, 0.1867, 0.1872)$

Have a look what the booklet for
 $\text{Yxy}(29.5238, 0.1867, 0.1872)$
contains.

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Color

Yxy(29.5238, 0.1867, 0.1872)

Conversions

Conversions Part 1

Format	Color
Hex	1697FF
RGB	22, 151, 255
RGB Percent	9%, 59%, 100%
CMY	0.9138, 0.4078, 0.0000
CMYK	0.91, 0.41, 0.00, 0.00
HSL	207°, 100%, 54%
HSV	207°, 91%, 100%
XYZ	29.4449, 29.5238, 98.7439
YIQ	124.2850, -110.2680, 4.9960

Conversions

Conversions Part 2

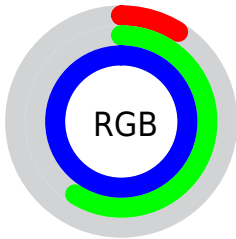
Format	Color
R _Y B	22, 105, 255
Decimal	1480703
CIE Lab	61.24, 5.38, -60.41
CIE LCh	61, 60.654, 275.092
Yxy	29.5238, 0.1867, 0.1872
Android (android.graphics.Color)	4279670783 (0xFF1697FF)
YUV	124.2850, 64.4425, -89.7039
Hunter-Lab	54.3358, 1.6427, -69.7120

Details

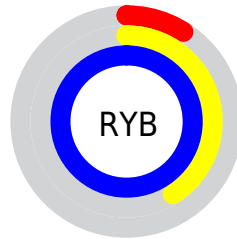
The Yxy color **29.5238, 0.1867, 0.1872** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **36.2295, 0.5412, 0.4015**, and the grayscale version is **20.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5956, 0.2304, 0.2672**, and **13.3846, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **26.3261, 0.1814, 0.1730**, and if you desaturate by 10%, it is **33.8117, 0.1948, 0.2043**.

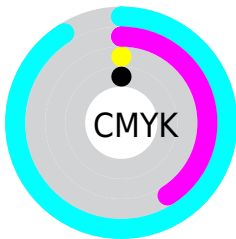
Distribution



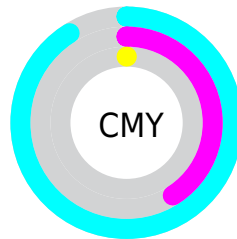
- Red (9%)
- Green (59%)
- Blue (100%)



- Red (9%)
- Yellow (41%)
- Blue (100%)



- Cyan (91%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (91%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.5238, 0.1867, 0.1872 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 29.5238, 0.1867, 0.1872 by changing the saturation by 10% instead.


 29.5238, 0.1867,
0.1872


 29.5238, 0.1867,
0.1872


299.6784, 0.2493,
0.2565

 19.4774, 0.1721,
0.1713


 58.9083, 0.2089,
0.2115


 12.0158, 0.1542,
0.1521


 79.0152, 0.2174,
0.2209

 6.7544, 0.1321,
0.1285


 103.2443, 0.2247,
0.2290

 3.3090, 0.1048,
0.0999

 131.9802, 0.2310,
0.2360

 1.2951, 0.0720,
0.0662

 165.6072, 0.2364,
0.2421

 0.1374, 0.0253,
0.0133

204.5096, 0.2413,

 0.0000, 0.0000,

0.2475

0.0000

249.0719, 0.2455,
0.2523

■ 29.5238, 0.1867,
0.1872

■ 29.5238, 0.1867,
0.1872

■ 26.3261, 0.1814,
0.1730

■ 33.8117, 0.1948,
0.2043

■ 38.8163, 0.2052,
0.2219

■ 44.6011, 0.2176,
0.2395

■ 51.2194, 0.2317,
0.2568

■ 58.7186, 0.2469,
0.2732

■ 67.1414, 0.2628,
0.2886

■ 76.5273, 0.2789,
0.3029

■ 86.9132, 0.2950,
0.3158

■ 98.3336, 0.3106,
0.3275

Harmonies

Analogous

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



29.5238, 0.1552, 0.2075



29.5238, 0.1867, 0.1872



29.5238, 0.2514, 0.1962

Triad

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



29.5238, 0.1867, 0.1872



29.5238, 0.5007, 0.3472



29.5238, 0.2599, 0.4700

Complementary

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



29.5238, 0.1867, 0.1872



36.2295, 0.5412, 0.4015

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.



29.5238, 0.3496, 0.5126



29.5238, 0.1867, 0.1872



29.5238, 0.4930, 0.4155

Square

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



29.5238, 0.1867, 0.1872



29.5238, 0.4441, 0.2833



29.5238, 0.4346, 0.4802



29.5238, 0.1897, 0.3640

Rectangle

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



29.5238, 0.1867, 0.1872



29.5238, 0.3121, 0.2162



29.5238, 0.4346, 0.4802



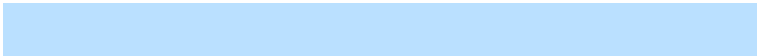
29.5238, 0.2889, 0.4938

Sweetspot

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



29.5247, 0.1867, 0.1872



71.1366, 0.2699, 0.2950



73.1118, 0.2763, 0.5094



14.5569, 0.2643, 0.2901



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.



29.5247, 0.1867, 0.1872



26.3288, 0.1814, 0.1730



8.7454, 0.1548, 0.0711



19.0457, 0.2979, 0.3181



14.0601, 0.1822, 0.1757



1.5871, 0.1874, 0.1946

Inverse Universe

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



24.0656, 0.4591, 0.2345



23.1890, 0.4770, 0.2401



83.3153, 0.4290, 0.4938



18.1555, 0.3207, 0.3159



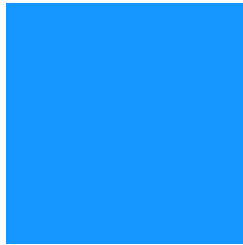
12.1473, 0.4737, 0.2383



1.2048, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 29.5238, 0.1867, 0.1872 looks on a white background.

Color Contrast Check

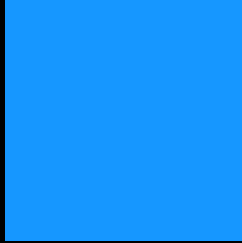
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5238, 0.1867, 0.1872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

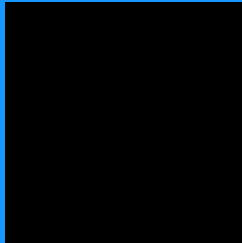
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

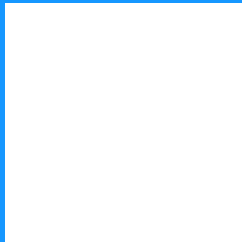
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.5238, 0.1867, 0.1872

Background



This preview shows how black text looks on a background with the Yxy color 29.5238, 0.1867, 0.1872.



This preview shows how white text looks on a background with the Yxy color 29.5238, 0.1867, 0.1872.

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

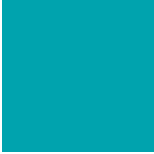
29.5238, 0.1867, 0.1872

Protanopia

29.3058, 0.2095, 0.1898

Deuteranopia

29.6447, 0.1925, 0.1865



Tritanopia

29.2504, 0.2192, 0.3093

Trichromacy



Original Color

29.5238, 0.1867, 0.1872

Protanomaly

28.9786, 0.1972, 0.1873

Deuteranomaly

29.6135, 0.1899, 0.1869

Tritanomaly

29.1597, 0.2054, 0.2573

Monochromacy



Original Color

29.5238, 0.1867, 0.1872

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.0550, 0.2364, 0.2620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5238, 0.1867, 0.1872 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(22, 151, 255)` looks like.

```
.text, #text, p{  
    color:rgb(22, 151, 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(22, 151, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 151, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.5238, 0.1867, 0.1872 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(22, 151, 255) }
```

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

```
.border{ border-color:rgb(22, 151, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 151, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 151, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 151, 255);  
box-shadow:4px 4px 4px 4px rgb(22, 151,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5238, 0.1867, 0.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 151, 255) }
```

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

```
.background{ background-color: rgb(22, 151,  
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](#).

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