

Converting Colors

$Y_{xy}(27.7350, 0.1837, 0.1794)$

Have a look what the booklet for
Yxy(27.7350, 0.1837, 0.1794)
contains.

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Color

Yxy(27.8423, 0.1838, 0.1799)

Conversions

Conversions Part 1

Format	Color
Hex	0992FF
RGB	9, 146, 255
RGB Percent	4%, 57%, 100%
CMY	0.9636, 0.4274, 0.0000
CMYK	0.96, 0.43, 0.00, 0.00
HSL	207°, 100%, 52%
HSV	207°, 96%, 100%
XYZ	28.4459, 27.8423, 98.4772
YIQ	117.4630, -116.6410, 4.8550

Conversions

Conversions Part 2

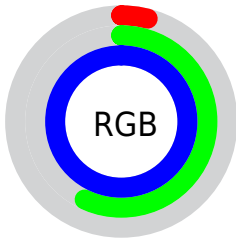
Format	Color
R _Y B	9, 97, 255
Decimal	627455
CIE Lab	59.75, 7.96, -62.82
CIE LCh	60, 63.320, 277.220
Yxy	27.8423, 0.1838, 0.1799
Android (android.graphics.Color)	4278817535 (0xFF0992FF)
YUV	117.4630, 67.8057, -95.1221
Hunter-Lab	52.7658, 3.8887, -73.7173

Details

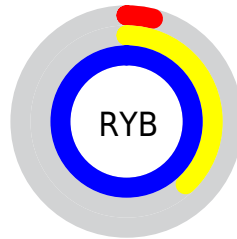
The Yxy color **27.8423, 0.1838, 0.1799** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **34.2975, 0.5528, 0.3967**, and the grayscale version is **17.7842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5776, 0.2275, 0.2591**, and **12.3970, 0.1758, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **26.5362, 0.1817, 0.1740**, and if you desaturate by 10%, it is **31.7983, 0.1907, 0.1966**.

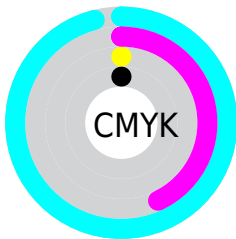
Distribution



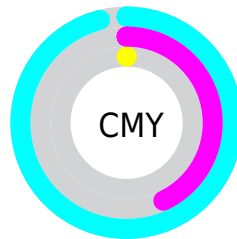
- Red (4%)
- Green (57%)
- Blue (100%)



- Red (4%)
- Yellow (38%)
- Blue (100%)



- Cyan (96%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8423, 0.1838, 0.1799 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 27.8423, 0.1838, 0.1799 by changing the saturation by 10% instead.


 27.8423, 0.1838,
0.1799


 27.8423, 0.1838,
0.1799


291.7126, 0.2482,
0.2526

 18.2068, 0.1688,
0.1634


 56.2326, 0.2066,
0.2053

 11.0986, 0.1503,
0.1434


 75.7561, 0.2154,
0.2152

 6.1332, 0.1277,
0.1193


 99.3445, 0.2229,
0.2236

 2.9262, 0.0999,
0.0903

 127.3821, 0.2294,
0.2310

 1.0933, 0.0668,
0.0571

 160.2534, 0.2350,
0.2374

 0.0000, 0.0166,
0.0000

198.3426, 0.2399,

 0.0000, 0.0000,

0.2431

0.0000

242.0342, 0.2443,
0.2481

■ 27.8423, 0.1838,
0.1799

■ 27.8423, 0.1838,
0.1799

■ 26.5362, 0.1817,
0.1740

■ 31.7983, 0.1907,
0.1966

■ 36.4304, 0.1999,
0.2139

■ 41.8088, 0.2113,
0.2314

■ 47.9909, 0.2246,
0.2488

■ 55.0265, 0.2393,
0.2655

■ 62.9602, 0.2549,
0.2814

■ 71.8332, 0.2709,
0.2962

■ 81.6831, 0.2870,
0.3097

■ 92.5455, 0.3029,
0.3219

Harmonies

Analogous

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



27.8423, 0.1489, 0.1980



27.8423, 0.1838, 0.1799



27.8423, 0.2537, 0.1914

Triad

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



27.8423, 0.1838, 0.1799



27.8423, 0.5137, 0.3513



27.8423, 0.2495, 0.4740

Complementary

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



27.8423, 0.1838, 0.1799



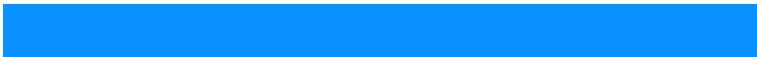
34.2975, 0.5528, 0.3967

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.



27.8423, 0.3430, 0.5248



27.8423, 0.1838, 0.1799



27.8423, 0.4994, 0.4228

Square

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



27.8423, 0.1838, 0.1799



27.8423, 0.4587, 0.2847



27.8423, 0.4338, 0.4914



27.8423, 0.1787, 0.3570

Rectangle

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



27.8423, 0.1838, 0.1799



27.8423, 0.3191, 0.2134



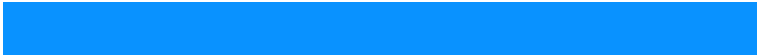
27.8423, 0.4338, 0.4914



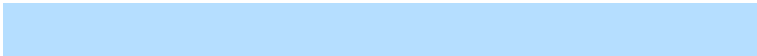
27.8423, 0.2795, 0.5015

Sweetspot

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



27.8431, 0.1838, 0.1799



69.3998, 0.2667, 0.2924



72.8317, 0.2781, 0.5191



14.0424, 0.2598, 0.2861



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.



27.8431, 0.1838, 0.1799



26.5375, 0.1817, 0.1740



8.0036, 0.1522, 0.0658



19.0544, 0.2979, 0.3182



14.1691, 0.1824, 0.1767



1.5976, 0.1876, 0.1955

Inverse Universe

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



23.5364, 0.4683, 0.2369



23.2101, 0.4758, 0.2395



82.7864, 0.4307, 0.4949



18.1563, 0.3207, 0.3159



12.1583, 0.4725, 0.2377



1.2058, 0.4504, 0.2255

Previews

White Background



This preview shows how the Yxy color 27.8423, 0.1838, 0.1799 looks on a white background.

Color Contrast Check

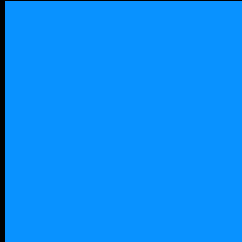
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8423, 0.1838, 0.1799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

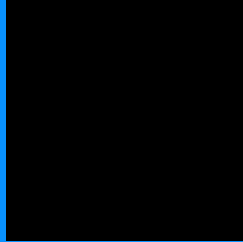
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

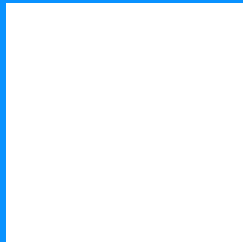
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8423, 0.1838, 0.1799

Background



This preview shows how black text looks on a background with the Yxy color 27.8423, 0.1838, 0.1799.

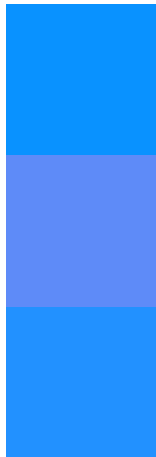


This preview shows how white text looks on a background with the Yxy color 27.8423, 0.1838, 0.1799.

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

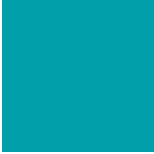
27.8358, 0.1838, 0.1799

Protanopia

27.6222, 0.2040, 0.1830

Deuteranopia

27.8109, 0.1859, 0.1793



Tritanopia

27.6986, 0.2191, 0.3088

Trichromacy



Original Color

27.8358, 0.1838, 0.1799

Protanomaly

27.3678, 0.1923, 0.1806

Deuteranomaly

27.6775, 0.1847, 0.1789

Tritanomaly

27.3476, 0.2034, 0.2512

Monochromacy



Original Color

27.8358, 0.1838, 0.1799

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.8852, 0.2306, 0.2557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8423, 0.1838, 0.1799 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(9, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(9, 146, 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(9, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.8423, 0.1838, 0.1799 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(9, 146, 255) }
```

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

```
.border{ border-color:rgb(9, 146, 255) }
```

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

Here you see how a box with a 4 pixel rgb(9, 146, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(9, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8423, 0.1838, 0.1799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 146, 255) }
```

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

```
.background{ background-color: rgb(9, 146,  
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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