

Converting Colors

$Yxy(25.7511, 0.1705, 0.1837)$

Have a look what the booklet for
Yxy(25.7511, 0.1705, 0.1837)
contains.

Yxy(27.2116, 0.1854, 0.1875)	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(27.2116, 0.1854, 0.1875)

Conversions

Conversions Part 1

Format	Color
Hex	0092F6
RGB	0, 146, 246
RGB Percent	0%, 57%, 96%
CMY	1.0000, 0.4274, 0.0354
CMYK	1.00, 0.41, 0.00, 0.04
HSL	204°, 100%, 48%
HSV	204°, 100%, 96%
XYZ	26.9068, 27.2116, 91.0101
YIQ	113.7460, -119.1160, 0.1480

Conversions

Conversions Part 2

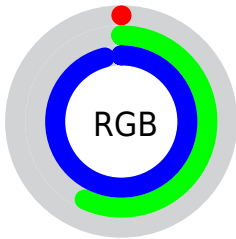
Format	Color
R _Y B	0, 92, 246
Decimal	37622
CIE Lab	59.17, 4.30, -58.79
CIE LCh	59, 58.951, 274.181
Yxy	27.2116, 0.1854, 0.1875
Android (android.graphics.Color)	4278227702 (0xFF0092F6)
YUV	113.7460, 65.2012, -99.7552
Hunter-Lab	52.1647, 0.7829, -66.9260

Details

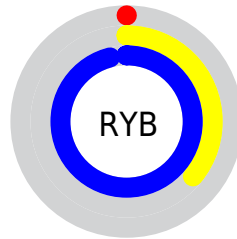
The Yxy color **27.2116, 0.1854, 0.1875** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.6987, 0.5708, 0.3850**, and the grayscale version is **16.5779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3818, 0.2263, 0.2589**, and **12.0399, 0.1778, 0.1602** is the 20% darker color. If you saturate the color by 10%, you get **27.2152, 0.1854, 0.1875**, and if you desaturate by 10%, it is **30.6353, 0.1913, 0.2027**.

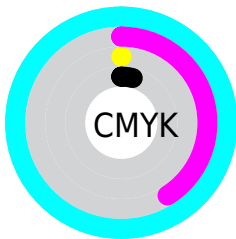
Distribution



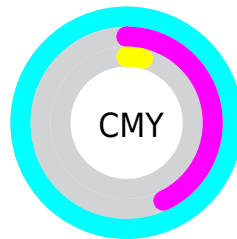
- Red (0%)
- Green (57%)
- Blue (96%)



- Red (0%)
- Yellow (36%)
- Blue (96%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2116, 0.1854, 0.1875 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 27.2116, 0.1854, 0.1875 by changing the saturation by 10% instead.


 27.2116, 0.1854,
0.1875


 27.2116, 0.1854,
0.1875


288.6802, 0.2494,
0.2577


 17.7322, 0.1702,
0.1711


 55.2232, 0.2082,
0.2123

 10.7579, 0.1516,
0.1512


 74.5243, 0.2170,
0.2219

 5.9043, 0.1285,
0.1266


 97.8679, 0.2244,
0.2301

 2.7870, 0.0998,
0.0966

 125.6387, 0.2308,
0.2372

 1.0215, 0.0656,
0.0614

 158.2209, 0.2364,
0.2433

 0.0000, 0.0021,
0.0000

195.9990, 0.2413,

 0.0000, 0.0000,

0.2487

0.0000

239.3573, 0.2456,
0.2535

■ 27.2116, 0.1854,
0.1875

■ 27.2116, 0.1854,
0.1875

■ 27.2152, 0.1854,
0.1875

■ 30.6353, 0.1913,
0.2027

■ 34.5864, 0.1993,
0.2185

■ 39.1535, 0.2094,
0.2344

■ 44.3905, 0.2215,
0.2503

■ 50.3430, 0.2351,
0.2658

■ 57.0517, 0.2500,
0.2805

■ 64.5535, 0.2655,
0.2943

■ 72.8823, 0.2814,
0.3070

■ 82.0696, 0.2972,
0.3186

Harmonies

Analogous

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



27.2116, 0.1549, 0.2087



27.2116, 0.1854, 0.1875



27.2116, 0.2490, 0.1956

Triad

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



27.2116, 0.1854, 0.1875



27.2116, 0.4997, 0.3452



27.2116, 0.2625, 0.4723

Complementary

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



27.2116, 0.1854, 0.1875



28.6987, 0.5708, 0.3850

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.



27.2116, 0.3524, 0.5123



27.2116, 0.1854, 0.1875



27.2116, 0.4939, 0.4134

Square

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



27.2116, 0.1854, 0.1875



27.2116, 0.4413, 0.2816



27.2116, 0.4368, 0.4783



27.2116, 0.1915, 0.3674

Rectangle

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



27.2116, 0.1854, 0.1875



27.2116, 0.3091, 0.2152



27.2116, 0.4368, 0.4783



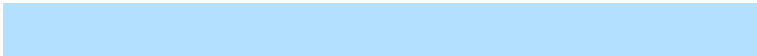
27.2116, 0.2916, 0.4953

Sweetspot

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



27.2152, 0.1854, 0.1875



70.0071, 0.2654, 0.2942



66.7916, 0.2822, 0.5358



14.2258, 0.2588, 0.2885



0.0000, 0.0000, 0.0000



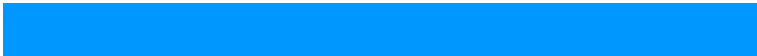
21.4041, 0.3127, 0.3290

Same Dimension

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



27.2152, 0.1854, 0.1875



29.4712, 0.1854, 0.1872



7.3311, 0.1515, 0.0655



17.5623, 0.2980, 0.3191



14.8110, 0.1861, 0.1900



1.5033, 0.1914, 0.2092

Inverse Universe

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



21.6659, 0.4597, 0.2306



23.5063, 0.4600, 0.2308



71.5072, 0.4384, 0.4901



16.6476, 0.3200, 0.3150



11.5946, 0.4568, 0.2290



1.0394, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 27.2116, 0.1854, 0.1875 looks on a white background.

Color Contrast Check

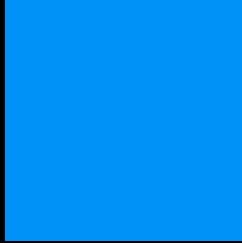
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2116, 0.1854, 0.1875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

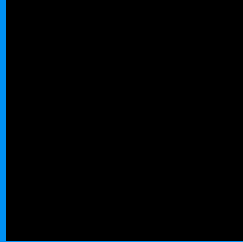
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

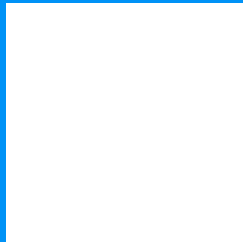
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2116, 0.1854, 0.1875

Background



This preview shows how black text looks on a background with the Yxy color 27.2116, 0.1854, 0.1875.



This preview shows how white text looks on a background with the Yxy color 27.2116, 0.1854, 0.1875.

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

27.2116, 0.1854, 0.1875

Protanopia

27.0616, 0.2097, 0.1903

Deuteranopia

27.2011, 0.1919, 0.1848



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

27.2116, 0.1854, 0.1875

Protanomaly

26.5173, 0.1947, 0.1870

Deuteranomaly

27.0370, 0.1879, 0.1848

Tritanomaly

26.7680, 0.2046, 0.2564

Monochromacy



Original Color

27.2116, 0.1854, 0.1875

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.9468, 0.2303, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2116, 0.1854, 0.1875 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(0, 146, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 246)  
}
```

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(0, 146, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 246) }
```

Border

The CSS property to change the border of an element to Yxy 27.2116, 0.1854, 0.1875 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(0, 146, 246) }
```

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

```
.border{ border-color:rgb(0, 146, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2116, 0.1854, 0.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 246) }
```

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

```
.background{ background-color: rgb(0, 146,  
246) }
```

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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