

Converting Colors

$Y_{xy}(21.0703, 0.1376, 0.1715)$

Have a look what the booklet for
Yxy(21.0703, 0.1376, 0.1715)
contains.

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Color

Yxy(25.2817, 0.1851, 0.1864)

Conversions

Conversions Part 1

Format	Color
Hex	008DEF
RGB	0, 141, 239
RGB Percent	0%, 55%, 94%
CMY	1.0000, 0.4471, 0.0626
CMYK	1.00, 0.41, 0.00, 0.06
HSL	205°, 100%, 47%
HSV	205°, 100%, 94%
XYZ	25.1054, 25.2817, 85.2444
YIQ	110.0130, -115.4940, 0.5860

Conversions

Conversions Part 2

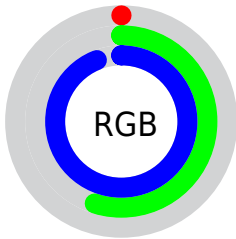
Format	Color
RYB	0, 89, 239
Decimal	36335
CIELab	57.35, 4.65, -57.87
CIELCh	57, 58.054, 274.594
Yxy	25.2817, 0.1851, 0.1864
Android (android.graphics.Color)	4278226415 (0xFF008DEF)
YUV	110.0130, 63.5906, -96.4814
Hunter-Lab	50.2809, 1.1339, -65.3214

Details

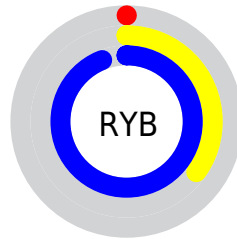
The Yxy color **25.2817, 0.1851, 0.1864** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.0982, 0.5695, 0.3860**, and the grayscale version is **15.4377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9917, 0.2240, 0.2522**, and **11.0317, 0.1777, 0.1598** is the 20% darker color. If you saturate the color by 10%, you get **25.2844, 0.1851, 0.1864**, and if you desaturate by 10%, it is **28.4977, 0.1911, 0.2017**.

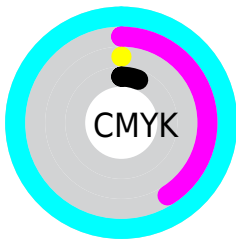
Distribution



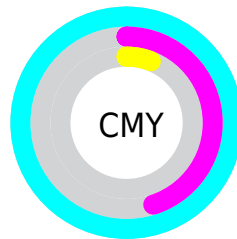
- Red (0%)
- Green (55%)
- Blue (94%)



- Red (0%)
- Yellow (35%)
- Blue (94%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2817, 0.1851, 0.1864 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 25.2817, 0.1851, 0.1864 by changing the saturation by 10% instead.


 25.2817, 0.1851,
0.1864


 25.2817, 0.1851,
0.1864


279.2379, 0.2501,
0.2579


 16.2871, 0.1695,
0.1695


 52.1139, 0.2084,
0.2119

 9.7275, 0.1503,
0.1489


 70.7202, 0.2173,
0.2216

 5.2187, 0.1262,
0.1234

 93.2991, 0.2249,
0.2300

 2.3761, 0.0965,
0.0922

 120.2352, 0.2314,
0.2371

 0.8136, 0.0610,
0.0559

 151.9127, 0.2370,
0.2434

 0.0000, 0.0000,
0.0000

188.7160, 0.2419,

0.2488

231.0297, 0.2462,
0.2537

■ 25.2817, 0.1851,
0.1864

■ 25.2817, 0.1851,
0.1864

■ 25.2844, 0.1851,
0.1864

■ 28.4977, 0.1911,
0.2017

■ 32.2109, 0.1991,
0.2176

■ 36.5048, 0.2093,
0.2337

■ 41.4294, 0.2214,
0.2497

■ 47.0276, 0.2351,
0.2653

■ 53.3373, 0.2500,
0.2801

■ 60.3931, 0.2655,
0.2940

■ 68.2268, 0.2814,
0.3068

■ 76.8678, 0.2972,
0.3185

Harmonies

Analogous

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



25.2817, 0.1540, 0.2072



25.2817, 0.1851, 0.1864



25.2817, 0.2496, 0.1950

Triad

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



25.2817, 0.1851, 0.1864



25.2817, 0.5017, 0.3460



25.2817, 0.2608, 0.4727

Complementary

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



25.2817, 0.1851, 0.1864



27.0982, 0.5695, 0.3860

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.



25.2817, 0.3512, 0.5141



25.2817, 0.1851, 0.1864



25.2817, 0.4948, 0.4147

Square

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



25.2817, 0.1851, 0.1864



25.2817, 0.4437, 0.2819



25.2817, 0.4365, 0.4801



25.2817, 0.1897, 0.3661

Rectangle

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



25.2817, 0.1851, 0.1864



25.2817, 0.3104, 0.2149



25.2817, 0.4365, 0.4801



25.2817, 0.2900, 0.4963

Sweetspot

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



25.2844, 0.1851, 0.1864



69.8547, 0.2654, 0.2939



62.5908, 0.2821, 0.5355



14.1895, 0.2587, 0.2881



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.



25.2844, 0.1851, 0.1864



29.1669, 0.1850, 0.1859



6.8833, 0.1516, 0.0656



16.7787, 0.2980, 0.3191



14.2329, 0.1858, 0.1888



1.3793, 0.1914, 0.2091

Inverse Universe

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



20.2799, 0.4609, 0.2313



23.4756, 0.4615, 0.2316



67.0245, 0.4384, 0.4901



15.9153, 0.3201, 0.3152



11.2302, 0.4581, 0.2297



0.9540, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 25.2817, 0.1851, 0.1864 looks on a white background.

Color Contrast Check

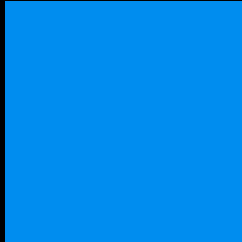
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2817, 0.1851, 0.1864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

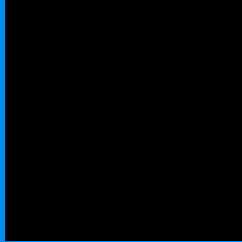
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

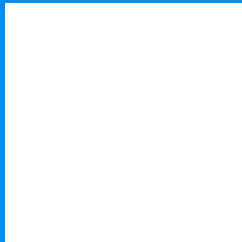
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.2817, 0.1851, 0.1864

Background



This preview shows how black text looks on a background with the Yxy color 25.2817, 0.1851, 0.1864.



This preview shows how white text looks on a background with the Yxy color 25.2817, 0.1851, 0.1864.

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

25.2817, 0.1851, 0.1864

Protanopia

25.3093, 0.2093, 0.1905

Deuteranopia

25.4603, 0.1911, 0.1848



Tritanopia

25.1008, 0.2189, 0.3080

Trichromacy



Original Color

25.2817, 0.1851, 0.1864

Protanomaly

24.8501, 0.1945, 0.1873

Deuteranomaly

25.3545, 0.1876, 0.1850

Tritanomaly

24.9414, 0.2040, 0.2545

Monochromacy



Original Color

25.2817, 0.1851, 0.1864

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.4112, 0.2295, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2817, 0.1851, 0.1864 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, 141, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 239)  
}
```

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, 141, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 239) }
```

Border

The CSS property to change the border of an element to Yxy 25.2817, 0.1851, 0.1864 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, 141, 239) }
```

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

```
.border{ border-color:rgb(0, 141, 239) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2817, 0.1851, 0.1864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 239) }
```

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

```
.background{ background-color: rgb(0, 141,  
239) }
```

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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