

Converting Colors

$Yxy(24.6471, 0.1844, 0.1837)$

Have a look what the booklet for
Yxy(24.6471, 0.1844, 0.1837)
contains.

Yxy(24.7037, 0.1844, 0.1835)	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(24.7037, 0.1844, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	018BEF
RGB	1, 139, 239
RGB Percent	0%, 55%, 94%
CMY	0.9943, 0.4549, 0.0629
CMYK	0.99, 0.42, 0.00, 0.06
HSL	205°, 99%, 47%
HSV	205°, 99%, 94%
XYZ	24.8249, 24.7037, 85.0965
YIQ	109.1380, -114.3480, 1.8440

Conversions

Conversions Part 2

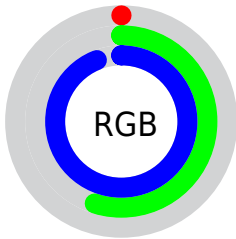
Format	Color
R _Y B	1, 88, 239
Decimal	101359
CIE Lab	56.79, 5.88, -58.73
CIE LCh	57, 59.026, 275.716
Yxy	24.7037, 0.1844, 0.1835
Android (android.graphics.Color)	4278291439 (0xFF018BEF)
YUV	109.1380, 64.0220, -94.8370
Hunter-Lab	49.7028, 2.1747, -66.7188

Details

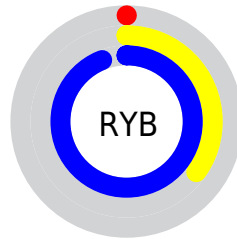
The Yxy color **24.7037, 0.1844, 0.1835** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **27.7362, 0.5651, 0.3890**, and the grayscale version is **15.2119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1074, 0.2234, 0.2495**, and **10.6897, 0.1767, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **24.5197, 0.1841, 0.1826**, and if you desaturate by 10%, it is **27.9540, 0.1906, 0.1992**.

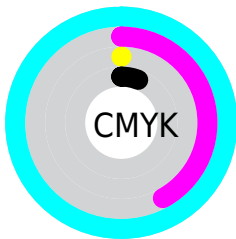
Distribution



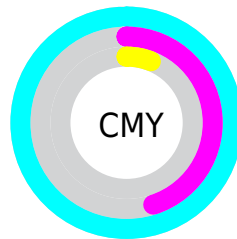
- Red (0%)
- Green (55%)
- Blue (94%)



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



- Cyan (99%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)




- Cyan (99%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7037, 0.1844, 0.1835 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 24.7037, 0.1844, 0.1835 by changing the saturation by 10% instead.


 24.7037, 0.1844,
0.1835


 24.7037, 0.1844,
0.1835


276.3591, 0.2499,
0.2564


 15.8564, 0.1687,
0.1664

 51.1761, 0.2079,
0.2094


 9.4226, 0.1492,
0.1454


 69.5701, 0.2169,
0.2194

 5.0179, 0.1250,
0.1197

 91.9151, 0.2245,
0.2279

 2.2577, 0.0950,
0.0885

 118.5955, 0.2311,
0.2352

 0.7512, 0.0594,
0.0521

 149.9957, 0.2367,
0.2415

 0.0000, 0.0000,
0.0000

186.5001, 0.2417,

0.2471

228.4931, 0.2460,
0.2520

■ 24.7037, 0.1844,
0.1835

■ 24.7037, 0.1844,
0.1835

■ 24.5197, 0.1841,
0.1826

■ 27.9540, 0.1906,
0.1992

■ 31.7247, 0.1988,
0.2155

■ 36.0919, 0.2093,
0.2321

■ 41.1057, 0.2217,
0.2485

■ 46.8089, 0.2357,
0.2645

■ 53.2399, 0.2507,
0.2797

■ 60.4334, 0.2664,
0.2939

■ 68.4213, 0.2823,
0.3070

■ 77.2337, 0.2982,
0.3189

Harmonies

Analogous

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



24.7037, 0.1517, 0.2032



24.7037, 0.1844, 0.1835



24.7037, 0.2512, 0.1933

Triad

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



24.7037, 0.1844, 0.1835



24.7037, 0.5070, 0.3482



24.7037, 0.2560, 0.4735

Complementary

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



24.7037, 0.1844, 0.1835



27.7362, 0.5651, 0.3890

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.



24.7037, 0.3478, 0.5188



24.7037, 0.1844, 0.1835



24.7037, 0.4970, 0.4181

Square

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



24.7037, 0.1844, 0.1835



24.7037, 0.4501, 0.2830



24.7037, 0.4355, 0.4850



24.7037, 0.1849, 0.3624

Rectangle

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



24.7037, 0.1844, 0.1835



24.7037, 0.3140, 0.2141



24.7037, 0.4355, 0.4850



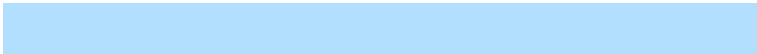
24.7037, 0.2856, 0.4988

Sweetspot

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



24.7044, 0.1844, 0.1835



69.4142, 0.2653, 0.2929



62.6522, 0.2805, 0.5294



14.0848, 0.2586, 0.2870



0.0000, 0.0000, 0.0000



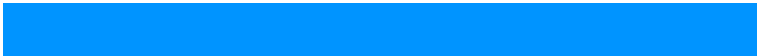
21.4041, 0.3127, 0.3290

Same Dimension

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



24.7044, 0.1844, 0.1835



28.2982, 0.1839, 0.1820



6.7845, 0.1514, 0.0648



16.7493, 0.2980, 0.3188



13.8194, 0.1847, 0.1850



1.3460, 0.1905, 0.2058

Inverse Universe

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



20.2407, 0.4643, 0.2334



23.3879, 0.4661, 0.2341



69.1029, 0.4348, 0.4927



15.9124, 0.3203, 0.3154



11.1884, 0.4626, 0.2322



0.9506, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 24.7037, 0.1844, 0.1835 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 24.7037, 0.1844, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

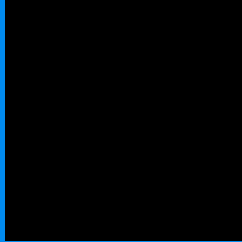
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

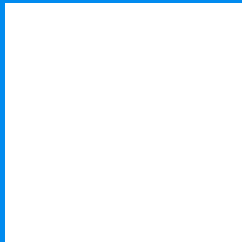
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7037, 0.1844, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 24.7037, 0.1844, 0.1835.



This preview shows how white text looks on a background with the Yxy color 24.7037, 0.1844, 0.1835.

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

24.7037, 0.1844, 0.1835

Protanopia

24.6040, 0.2071, 0.1871

Deuteranopia

24.6369, 0.1887, 0.1822



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.7037, 0.1844, 0.1835

Protanomaly

24.2559, 0.1934, 0.1842

Deuteranomaly

24.6558, 0.1864, 0.1828

Tritanomaly

24.5480, 0.2044, 0.2556

Monochromacy



Original Color

24.7037, 0.1844, 0.1835

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.1353, 0.2298, 0.2583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7037, 0.1844, 0.1835 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(1, 139, 239)` looks like.

```
.text, #text, p{  
    color:rgb(1, 139, 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(1, 139, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 139, 239) }
```

Border

The CSS property to change the border of an element to Yxy 24.7037, 0.1844, 0.1835 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(1, 139, 239) }
```

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

```
.border{ border-color:rgb(1, 139, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 139, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 139, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 139, 239);  
box-shadow:4px 4px 4px 4px rgb(1, 139,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7037, 0.1844, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 139, 239) }
```

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

```
.background{ background-color: rgb(1, 139,  
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](#).

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