

Converting Colors

$Yxy(16.4694, 0.0833, 0.1380)$

Have a look what the booklet for
Yxy(16.4694, 0.0833, 0.1380)
contains.

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Color

Yxy(24.7934, 0.1809, 0.1712)

Conversions

Conversions Part 1

Format	Color
Hex	0089FA
RGB	0, 137, 250
RGB Percent	0%, 54%, 98%
CMY	0.9998, 0.4627, 0.0197
CMYK	1.00, 0.45, 0.00, 0.02
HSL	207°, 100%, 49%
HSV	207°, 100%, 98%
XYZ	26.1982, 24.7934, 93.8297
YIQ	108.9190, -117.9250, 6.0990

Conversions

Conversions Part 2

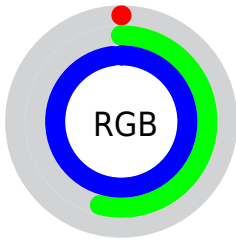
Format	Color
R _{YB}	0, 89, 250
Decimal	35322
CIE Lab	56.87, 11.29, -64.68
CIE LCh	57, 65.656, 279.899
Yxy	24.7934, 0.1809, 0.1712
Android (android.graphics.Color)	4278225402 (0xFF0089FA)
YUV	108.9190, 69.5529, -95.5220
Hunter-Lab	49.7930, 6.7786, -76.8708

Details

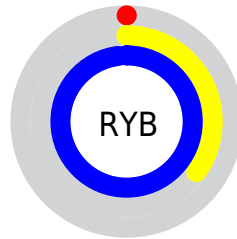
The Yxy color **24.7934, 0.1809, 0.1712** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **32.1385, 0.5576, 0.3954**, and the grayscale version is **15.0993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4264, 0.2241, 0.2471**, and **10.8297, 0.1730, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **24.7857, 0.1809, 0.1712**, and if you desaturate by 10%, it is **28.3841, 0.1873, 0.1879**.

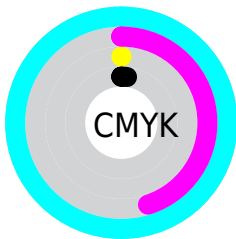
Distribution



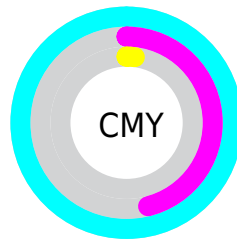
- Red (0%)
- Green (54%)
- Blue (98%)



- Red (0%)
- Yellow (35%)
- Blue (98%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (46%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7934, 0.1809, 0.1712 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 24.7934, 0.1809, 0.1712 by changing the saturation by 10% instead.


 24.7934, 0.1809,
0.1712


 24.7934, 0.1809,
0.1712


276.8075, 0.2477,
0.2485


 15.9232, 0.1651,
0.1537


 51.3219, 0.2047,
0.1982

 9.4698, 0.1458,
0.1327


 69.7489, 0.2139,
0.2087

 5.0489, 0.1219,
0.1074

 92.1304, 0.2217,
0.2177

 2.2760, 0.0928,
0.0776

 118.8506, 0.2284,
0.2255

 0.7609, 0.0589,
0.0444

 150.2941, 0.2342,
0.2324

 0.0000, 0.0000,
0.0000

186.8451, 0.2393,

0.2384

228.8881, 0.2437,
0.2437

■ 24.7934, 0.1809,
0.1712

■ 24.7934, 0.1809,
0.1712

■ 24.7857, 0.1809,
0.1712

■ 28.3841, 0.1873,
0.1879

■ 32.5856, 0.1958,
0.2053

■ 37.4892, 0.2065,
0.2231

■ 43.1536, 0.2193,
0.2409

■ 49.6289, 0.2336,
0.2583

■ 56.9597, 0.2491,
0.2748

■ 65.1867, 0.2650,
0.2903

■ 74.3475, 0.2812,
0.3045

■ 84.4770, 0.2972,
0.3174

Harmonies

Analogous

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



24.7934, 0.1416, 0.1863



24.7934, 0.1809, 0.1712



24.7934, 0.2577, 0.1859

Triad

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



24.7934, 0.1809, 0.1712



24.7934, 0.5294, 0.3565



24.7934, 0.2356, 0.4774

Complementary

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



24.7934, 0.1809, 0.1712



32.1385, 0.5576, 0.3954

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.



24.7934, 0.3334, 0.5402



24.7934, 0.1809, 0.1712



24.7934, 0.5057, 0.4321

Square

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



24.7934, 0.1809, 0.1712



24.7934, 0.4779, 0.2867



24.7934, 0.4310, 0.5061



24.7934, 0.1649, 0.3466

Rectangle

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



24.7934, 0.1809, 0.1712



24.7934, 0.3292, 0.2104



24.7934, 0.4310, 0.5061



24.7934, 0.2666, 0.5102

Sweetspot

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



24.7941, 0.1809, 0.1712



68.1506, 0.2650, 0.2902



69.5403, 0.2779, 0.5204



13.7849, 0.2582, 0.2838



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.



24.7941, 0.1809, 0.1712



25.8969, 0.1808, 0.1710



7.1779, 0.1506, 0.0622



18.2196, 0.2980, 0.3180



13.4412, 0.1816, 0.1739



1.4567, 0.1872, 0.1939

Inverse Universe

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



22.1278, 0.4792, 0.2413



23.1455, 0.4794, 0.2415



81.1690, 0.4285, 0.4980



17.3844, 0.3208, 0.3161



11.7678, 0.4759, 0.2396



1.1113, 0.4523, 0.2265

Previews

White Background



This preview shows how the Yxy color 24.7934, 0.1809, 0.1712 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 24.7934, 0.1809, 0.1712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

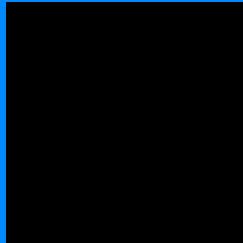
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

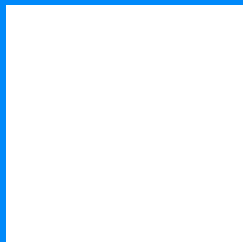
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7934, 0.1809, 0.1712

Background



This preview shows how black text looks on a background with the Yxy color 24.7934, 0.1809, 0.1712.



This preview shows how white text looks on a background with the Yxy color 24.7934, 0.1809, 0.1712.

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

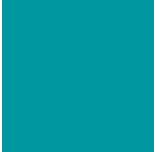
24.7934, 0.1809, 0.1712

Protanopia

24.8444, 0.1971, 0.1741

Deuteranopia

24.7086, 0.1827, 0.1776



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.7934, 0.1809, 0.1712

Protanomaly

24.4957, 0.1875, 0.1719

Deuteranomaly

24.8308, 0.1822, 0.1759

Tritanomaly

24.4080, 0.2022, 0.2480

Monochromacy



Original Color

24.7934, 0.1809, 0.1712

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.9969, 0.2260, 0.2495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7934, 0.1809, 0.1712 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, 137, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 250)  
}
```

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, 137, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 250) }
```

Border

The CSS property to change the border of an element to Yxy 24.7934, 0.1809, 0.1712 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, 137, 250) }
```

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

```
.border{ border-color:rgb(0, 137, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7934, 0.1809, 0.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 250) }
```

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

```
.background{ background-color: rgb(0, 137,  
250) }
```

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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