

Converting Colors

$Yxy(16.4024, 0.0819, 0.1341)$

Have a look what the booklet for
Yxy(16.4024, 0.0819, 0.1341)
contains.

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Color

Yxy(24.9832, 0.1802, 0.1688)

Conversions

Conversions Part 1

Format	Color
Hex	0089FD
RGB	0, 137, 253
RGB Percent	0%, 54%, 99%
CMY	1.0000, 0.4627, 0.0078
CMYK	1.00, 0.46, 0.00, 0.01
HSL	208°, 100%, 50%
HSV	208°, 100%, 99%
XYZ	26.6705, 24.9832, 96.3511
YIQ	109.2610, -118.8880, 7.0320

Conversions

Conversions Part 2

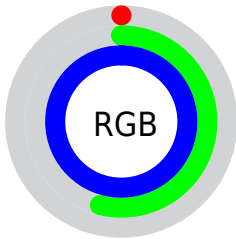
Format	Color
R _{YB}	0, 89, 253
Decimal	35325
CIE Lab	57.06, 12.43, -66.05
CIE LCh	57, 67.208, 280.659
Yxy	24.9832, 0.1802, 0.1688
Android (android.graphics.Color)	4278225405 (0xFF0089FD)
YUV	109.2610, 70.8633, -95.8219
Hunter-Lab	49.9832, 7.7749, -79.3033

Details

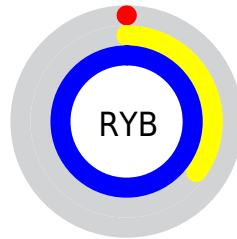
The Yxy color **24.9832, 0.1802, 0.1688** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **33.3737, 0.5559, 0.3968**, and the grayscale version is **15.1939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4917, 0.2246, 0.2472**, and **10.9196, 0.1726, 0.1413** is the 20% darker color. If you saturate the color by 10%, you get **24.9874, 0.1802, 0.1688**, and if you desaturate by 10%, it is **28.6754, 0.1866, 0.1857**.

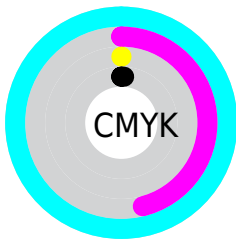
Distribution



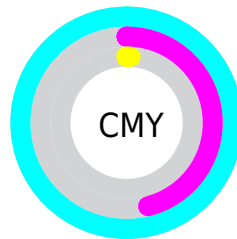
- Red (0%)
- Green (54%)
- Blue (99%)



- Red (0%)
- Yellow (35%)
- Blue (99%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (46%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9832, 0.1802, 0.1688 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 24.9832, 0.1802, 0.1688 by changing the saturation by 10% instead.


 24.9832, 0.1802,
0.1688


 24.9832, 0.1802,
0.1688


277.7543, 0.2472,
0.2468


 16.0645, 0.1644,
0.1513


 51.6300, 0.2041,
0.1959

 9.5698, 0.1452,
0.1303


 70.1269, 0.2132,
0.2065

 5.1147, 0.1215,
0.1052

 92.5853, 0.2210,
0.2156

 2.3147, 0.0927,
0.0759

 119.3897, 0.2277,
0.2235

 0.7815, 0.0592,
0.0435

 150.9243, 0.2336,
0.2304

 0.0000, 0.0000,
0.0000

187.5737, 0.2387,

0.2365

229.7222, 0.2432,
0.2419

■ 24.9832, 0.1802,
0.1688

■ 24.9832, 0.1802,
0.1688

■ 24.9874, 0.1802,
0.1688

■ 28.6754, 0.1866,
0.1857

■ 33.0011, 0.1952,
0.2033

■ 38.0582, 0.2061,
0.2214

■ 43.9076, 0.2189,
0.2395

■ 50.6013, 0.2334,
0.2571

■ 58.1858, 0.2488,
0.2739

■ 66.7034, 0.2649,
0.2896

■ 76.1930, 0.2811,
0.3041

■ 86.6912, 0.2972,
0.3172

Harmonies

Analogous

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



24.9832, 0.1396, 0.1831



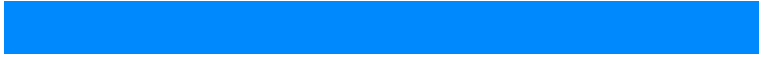
24.9832, 0.1802, 0.1688



24.9832, 0.2590, 0.1844

Triad

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



24.9832, 0.1802, 0.1688



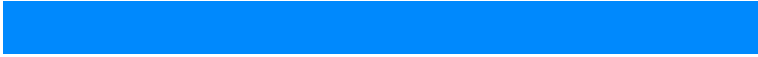
24.9832, 0.5338, 0.3580



24.9832, 0.2314, 0.4781

Complementary

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



24.9832, 0.1802, 0.1688



33.3737, 0.5559, 0.3968

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.



24.9832, 0.3303, 0.5446



24.9832, 0.1802, 0.1688



24.9832, 0.5072, 0.4348

Square

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



24.9832, 0.1802, 0.1688



24.9832, 0.4835, 0.2874



24.9832, 0.4299, 0.5103



24.9832, 0.1610, 0.3433

Rectangle

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



24.9832, 0.1802, 0.1688



24.9832, 0.3324, 0.2096



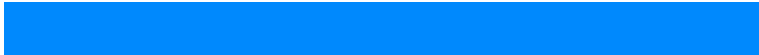
24.9832, 0.4299, 0.5103



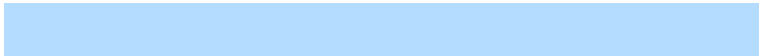
24.9832, 0.2627, 0.5125

Sweetspot

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



24.9874, 0.1802, 0.1688



67.8926, 0.2649, 0.2896



71.4671, 0.2779, 0.5206



13.7238, 0.2581, 0.2831



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.



24.9874, 0.1802, 0.1688



25.4233, 0.1802, 0.1687



7.3713, 0.1506, 0.0621



19.0077, 0.2979, 0.3178



13.5867, 0.1810, 0.1715



1.5415, 0.1863, 0.1908

Inverse Universe

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



22.6907, 0.4821, 0.2430



23.0976, 0.4822, 0.2430



83.4150, 0.4285, 0.4980



18.1516, 0.3209, 0.3162



12.0995, 0.4788, 0.2411



1.2002, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 24.9832, 0.1802, 0.1688 looks on a white background.

Color Contrast Check

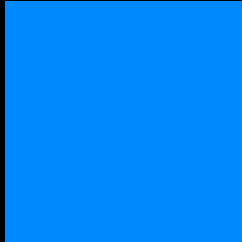
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9832, 0.1802, 0.1688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

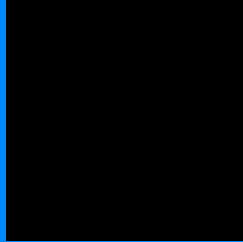
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

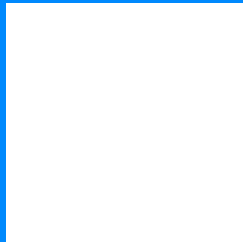
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9832, 0.1802, 0.1688

Background



This preview shows how black text looks on a background with the Yxy color 24.9832, 0.1802, 0.1688.



This preview shows how white text looks on a background with the Yxy color 24.9832, 0.1802, 0.1688.

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

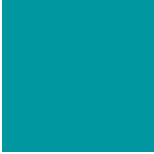
24.9832, 0.1802, 0.1688

Protanopia

24.8995, 0.1949, 0.1713

Deuteranopia

24.9969, 0.1831, 0.1790



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.9832, 0.1802, 0.1688

Protanomaly

24.6304, 0.1862, 0.1693

Deuteranomaly

24.8924, 0.1820, 0.1750

Tritanomaly

24.4528, 0.2018, 0.2466

Monochromacy



Original Color

24.9832, 0.1802, 0.1688

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.0321, 0.2254, 0.2479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9832, 0.1802, 0.1688 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 253) }
```

Border

The CSS property to change the border of an element to Yxy 24.9832, 0.1802, 0.1688 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, 253) }
```

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

```
.border{ border-color:rgb(0, 137, 253) }
```

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, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9832, 0.1802, 0.1688 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, 253) }
```

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

```
.background{ background-color: rgb(0, 137,  
253) }
```

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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