

Converting Colors

$Yxy(17.0408, 0.1024, 0.1346)$

Have a look what the booklet for
Yxy(17.0408, 0.1024, 0.1346)
contains.

Yxy(23.9308, 0.1785, 0.1626)	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(23.9308, 0.1785, 0.1626)

Conversions

Conversions Part 1

Format	Color
Hex	0085FE
RGB	0, 133, 254
RGB Percent	0%, 52%, 100%
CMY	1.0000, 0.4784, 0.0040
CMYK	1.00, 0.48, 0.00, 0.00
HSL	209°, 100%, 50%
HSV	209°, 100%, 100%
XYZ	26.2709, 23.9308, 96.9742
YIQ	107.0270, -118.1090, 9.4350

Conversions

Conversions Part 2

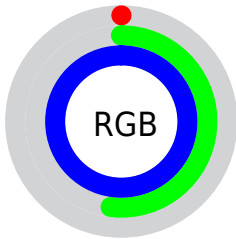
Format	Color
R _{YB}	0, 87, 254
Decimal	34302
CIE _{Lab}	56.02, 15.27, -68.26
CIE _{LCh}	56, 69.944, 282.614
Yxy	23.9308, 0.1785, 0.1626
Android (android.graphics.Color)	4278224382 (0xFF0085FE)
YUV	107.0270, 72.4577, -93.8627
Hunter-Lab	48.9191, 10.2509, -83.2894

Details

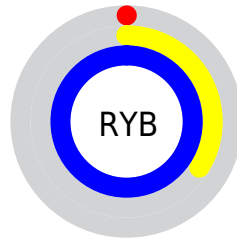
The Yxy color **23.9308, 0.1785, 0.1626** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **34.7293, 0.5507, 0.4010**, and the grayscale version is **14.5325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3627, 0.2231, 0.2405**, and **10.4825, 0.1710, 0.1357** is the 20% darker color. If you saturate the color by 10%, you get **23.9324, 0.1785, 0.1626**, and if you desaturate by 10%, it is **27.6495, 0.1851, 0.1799**.

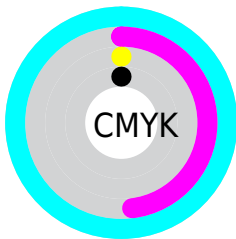
Distribution



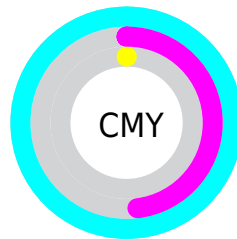
- Red (0%)
- Green (52%)
- Blue (100%)



- Red (0%)
- Yellow (34%)
- Blue (100%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9308, 0.1785, 0.1626 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 23.9308, 0.1785, 0.1626 by changing the saturation by 10% instead.


 23.9308, 0.1785,
0.1626


 23.9308, 0.1785,
0.1626


272.4704, 0.2466,
0.2432


 15.2823, 0.1625,
0.1447


 49.9173, 0.2028,
0.1905


 9.0177, 0.1429,
0.1234


 68.0240, 0.2121,
0.2014


 4.7528, 0.1189,
0.0982

 90.0523, 0.2200,
0.2108

 2.1029, 0.0899,
0.0691

 116.3865, 0.2269,
0.2190

 0.6663, 0.0565,
0.0370

 147.4110, 0.2328,
0.2262

 0.0000, 0.0000,
0.0000

183.5102, 0.2380,

0.2325

225.0686, 0.2426,
0.2382

■ 23.9308, 0.1785,
0.1626

■ 23.9308, 0.1785,
0.1626

■ 23.9324, 0.1785,
0.1626

■ 27.6495, 0.1851,
0.1799

■ 32.0353, 0.1938,
0.1982

■ 37.1857, 0.2050,
0.2170

■ 43.1634, 0.2181,
0.2358

■ 50.0221, 0.2328,
0.2542

■ 57.8100, 0.2485,
0.2717

■ 66.5709, 0.2647,
0.2880

■ 76.3452, 0.2811,
0.3031

■ 87.1708, 0.2971,
0.3168

Harmonies

Analogous

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



23.9308, 0.1346, 0.1746



23.9308, 0.1785, 0.1626



23.9308, 0.2628, 0.1806

Triad

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



23.9308, 0.1785, 0.1626



23.9308, 0.5449, 0.3618



23.9308, 0.2204, 0.4794

Complementary

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



23.9308, 0.1785, 0.1626



34.7293, 0.5507, 0.4010

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.



23.9308, 0.3219, 0.5565



23.9308, 0.1785, 0.1626



23.9308, 0.5106, 0.4418

Square

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



23.9308, 0.1785, 0.1626



23.9308, 0.4987, 0.2890



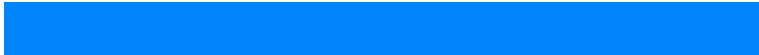
23.9308, 0.4263, 0.5218



23.9308, 0.1508, 0.3341

Rectangle

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



23.9308, 0.1785, 0.1626



23.9308, 0.3411, 0.2076



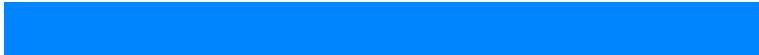
23.9308, 0.4263, 0.5218



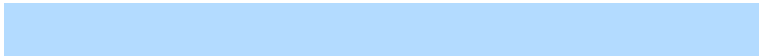
23.9308, 0.2522, 0.5183

Sweetspot

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



23.9324, 0.1785, 0.1626



67.1810, 0.2647, 0.2880



72.1846, 0.2764, 0.5152



13.5552, 0.2578, 0.2813



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.



23.9324, 0.1785, 0.1626



24.1467, 0.1785, 0.1626



7.3376, 0.1504, 0.0614



18.9522, 0.2979, 0.3174



12.9185, 0.1793, 0.1654



1.4767, 0.1848, 0.1853

Inverse Universe

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



22.7589, 0.4898, 0.2472



22.9688, 0.4899, 0.2472



86.6752, 0.4254, 0.5005



18.1460, 0.3212, 0.3166



12.0321, 0.4864, 0.2453



1.1936, 0.4623, 0.2320

Previews

White Background



This preview shows how the Yxy color 23.9308, 0.1785, 0.1626 looks on a white background.

Color Contrast Check

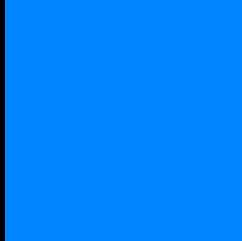
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9308, 0.1785, 0.1626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

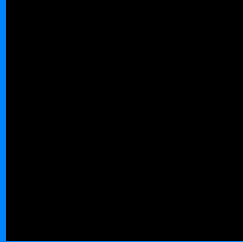
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

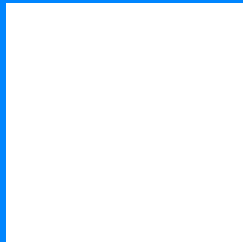
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9308, 0.1785, 0.1626

Background



This preview shows how black text looks on a background with the Yxy color 23.9308, 0.1785, 0.1626.



This preview shows how white text looks on a background with the Yxy color 23.9308, 0.1785, 0.1626.

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

23.9308, 0.1785, 0.1626

Protanopia

23.8679, 0.1900, 0.1646

Deuteranopia

23.8403, 0.1831, 0.1790



Tritanopia

23.6484, 0.2193, 0.3094

Trichromacy



Original Color

23.9308, 0.1785, 0.1626

Protanomaly

23.4658, 0.1832, 0.1626

Deuteranomaly

23.8596, 0.1815, 0.1732

Tritanomaly

23.4952, 0.2007, 0.2425

Monochromacy



Original Color

23.9308, 0.1785, 0.1626

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.2578, 0.2240, 0.2432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9308, 0.1785, 0.1626 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, 133, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 254)  
}
```

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, 133, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 254) }
```

Border

The CSS property to change the border of an element to Yxy 23.9308, 0.1785, 0.1626 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, 133, 254) }
```

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

```
.border{ border-color:rgb(0, 133, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9308, 0.1785, 0.1626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 254) }
```

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

```
.background{ background-color: rgb(0, 133,  
254) }
```

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