

Converting Colors

$Yxy(24.8310, 0.1824, 0.1767)$

Have a look what the booklet for
Yxy(24.8310, 0.1824, 0.1767)
contains.

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Color

Yxy(24.7695, 0.1824, 0.1767)

Conversions

Conversions Part 1

Format	Color
Hex	008AF5
RGB	0, 138, 245
RGB Percent	0%, 54%, 96%
CMY	1.0000, 0.4588, 0.0391
CMYK	1.00, 0.44, 0.00, 0.04
HSL	206°, 100%, 48%
HSV	206°, 100%, 96%
XYZ	25.5685, 24.7695, 89.8403
YIQ	108.9360, -116.5950, 4.0210

Conversions

Conversions Part 2

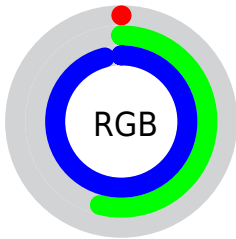
Format	Color
R _{YB}	0, 88, 245
Decimal	35573
CIE Lab	56.85, 8.76, -61.98
CIE LCh	57, 62.598, 278.045
Yxy	24.7695, 0.1824, 0.1767
Android (android.graphics.Color)	4278225653 (0xFF008AF5)
YUV	108.9360, 67.0796, -95.5369
Hunter-Lab	49.7690, 4.6076, -72.1888

Details

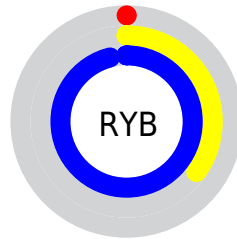
The Yxy color **24.7695, 0.1824, 0.1767** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **29.9369, 0.5620, 0.3920**, and the grayscale version is **15.1073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7328, 0.2236, 0.2483**, and **10.7756, 0.1747, 0.1488** is the 20% darker color. If you saturate the color by 10%, you get **24.7729, 0.1824, 0.1767**, and if you desaturate by 10%, it is **28.1973, 0.1887, 0.1929**.

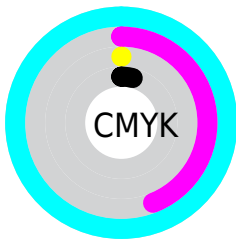
Distribution



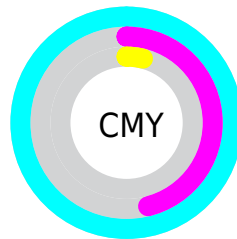
- Red (0%)
- Green (54%)
- Blue (96%)



- Red (0%)
- Yellow (35%)
- Blue (96%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (46%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7695, 0.1824, 0.1767 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 24.7695, 0.1824, 0.1767 by changing the saturation by 10% instead.


 24.7695, 0.1824,
0.1767


 24.7695, 0.1824,
0.1767


276.6881, 0.2487,
0.2521


 15.9054, 0.1666,
0.1594


 51.2830, 0.2061,
0.2032

 9.4572, 0.1472,
0.1383


 69.7013, 0.2152,
0.2135

 5.0406, 0.1232,
0.1128

 92.0730, 0.2229,
0.2223

 2.2711, 0.0937,
0.0824

 118.7827, 0.2295,
0.2299

 0.7584, 0.0591,
0.0478

 150.2146, 0.2353,
0.2365

 0.0000, 0.0000,
0.0000

186.7532, 0.2403,

0.2423

228.7829, 0.2447,
0.2475

■ 24.7695, 0.1824,
0.1767

■ 24.7695, 0.1824,
0.1767

■ 24.7729, 0.1824,
0.1767

■ 28.1973, 0.1887,
0.1929

■ 32.1849, 0.1970,
0.2098

■ 36.8221, 0.2075,
0.2270

■ 42.1637, 0.2201,
0.2441

■ 48.2566, 0.2342,
0.2608

■ 55.1423, 0.2494,
0.2767

■ 62.8590, 0.2652,
0.2916

■ 71.4414, 0.2813,
0.3053

■ 80.9223, 0.2972,
0.3178

Harmonies

Analogous

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



24.7695, 0.1461, 0.1939



24.7695, 0.1824, 0.1767



24.7695, 0.2546, 0.1892

Triad

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



24.7695, 0.1824, 0.1767



24.7695, 0.5194, 0.3528



24.7695, 0.2450, 0.4759

Complementary

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



24.7695, 0.1824, 0.1767



29.9369, 0.5620, 0.3920

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.



24.7695, 0.3402, 0.5303



24.7695, 0.1824, 0.1767



24.7695, 0.5021, 0.4258

Square

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



24.7695, 0.1824, 0.1767



24.7695, 0.4651, 0.2850



24.7695, 0.4334, 0.4964



24.7695, 0.1740, 0.3541

Rectangle

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



24.7695, 0.1824, 0.1767



24.7695, 0.3220, 0.2120



24.7695, 0.4334, 0.4964



24.7695, 0.2754, 0.5051

Sweetspot

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



24.7729, 0.1824, 0.1767



68.7677, 0.2651, 0.2915



66.3652, 0.2793, 0.5256



13.9313, 0.2584, 0.2854



0.0000, 0.0000, 0.0000



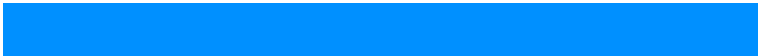
21.4041, 0.3127, 0.3290

Same Dimension

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



24.7729, 0.1824, 0.1767



27.0526, 0.1823, 0.1764



6.9748, 0.1509, 0.0631



17.4755, 0.2980, 0.3184



13.6232, 0.1832, 0.1793



1.4017, 0.1888, 0.1997

Inverse Universe

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



21.2524, 0.4725, 0.2376



23.2621, 0.4729, 0.2379



75.2853, 0.4317, 0.4954



16.6389, 0.3205, 0.3157



11.4746, 0.4694, 0.2359



1.0291, 0.4456, 0.2228

Previews

White Background



This preview shows how the Yxy color 24.7695, 0.1824, 0.1767 looks on a white background.

Color Contrast Check

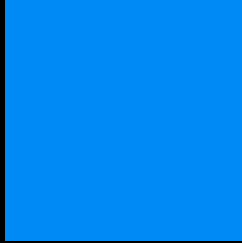
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7695, 0.1824, 0.1767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

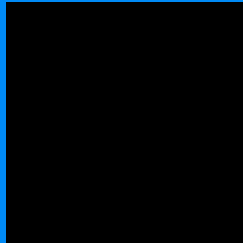
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

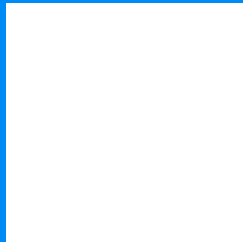
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7695, 0.1824, 0.1767

Background



This preview shows how black text looks on a background with the Yxy color 24.7695, 0.1824, 0.1767.



This preview shows how white text looks on a background with the Yxy color 24.7695, 0.1824, 0.1767.

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

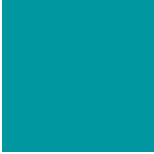
24.7695, 0.1824, 0.1767

Protanopia

24.7130, 0.2014, 0.1799

Deuteranopia

24.7695, 0.1824, 0.1767



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.7695, 0.1824, 0.1767

Protanomaly

24.2133, 0.1900, 0.1771

Deuteranomaly

24.7695, 0.1824, 0.1767

Tritanomaly

24.3635, 0.2026, 0.2494

Monochromacy



Original Color

24.7695, 0.1824, 0.1767

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.1668, 0.2278, 0.2548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7695, 0.1824, 0.1767 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, 138, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 245)  
}
```

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, 138, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 245) }
```

Border

The CSS property to change the border of an element to Yxy 24.7695, 0.1824, 0.1767 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, 138, 245) }
```

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

```
.border{ border-color:rgb(0, 138, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 138, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7695, 0.1824, 0.1767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 245) }
```

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

```
.background{ background-color: rgb(0, 138,  
245) }
```

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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