

Converting Colors

$Y_{xy}(22.8670, 0.1350, 0.1378)$

Have a look what the booklet for
Yxy(22.8670, 0.1350, 0.1378)
contains.

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Color

Yxy(25.9762, 0.1809, 0.1714)

Conversions

Conversions Part 1

Format	Color
Hex	008CFF
RGB	0, 140, 255
RGB Percent	0%, 55%, 100%
CMY	1.0000, 0.4509, 0.0001
CMYK	1.00, 0.45, 0.00, 0.00
HSL	207°, 100%, 50%
HSV	207°, 100%, 100%
XYZ	27.4160, 25.9762, 98.1609
YIQ	111.2500, -120.3550, 6.0850

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 90, 255
Decimal	36095
CIE _{Lab}	58.01, 11.34, -65.60
CIE _{LCh}	58, 66.568, 279.804
Yxy	25.9762, 0.1809, 0.1714
Android (android.graphics.Color)	4278226175 (0xFF008CFF)
YUV	111.2500, 70.8688, -97.5662
Hunter-Lab	50.9669, 6.8263, -78.5143

Details

The Yxy color **25.9762, 0.1809, 0.1714** 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 **33.5076, 0.5582, 0.3950**, and the grayscale version is **15.7939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8047, 0.2254, 0.2511**, and **11.5134, 0.1735, 0.1446** is the 20% darker color. If you saturate the color by 10%, you get **25.9832, 0.1810, 0.1714**, and if you desaturate by 10%, it is **29.7340, 0.1873, 0.1881**.

Distribution



- Red (0%)
- Green (55%)
- Blue (100%)



- Red (0%)
- Yellow (35%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9762, 0.1809, 0.1714 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 25.9762, 0.1809, 0.1714 by changing the saturation by 10% instead.


 25.9762, 0.1809,
0.1714


 25.9762, 0.1809,
0.1714


282.6652, 0.2472,
0.2480

 16.8058, 0.1654,
0.1542


 53.2365, 0.2044,
0.1980


 10.0962, 0.1464,
0.1336


 72.0953, 0.2135,
0.2084


 5.4628, 0.1231,
0.1088


 94.9524, 0.2212,
0.2174

 2.5213, 0.0948,
0.0797

 122.1920, 0.2279,
0.2251

 0.8872, 0.0616,
0.0474

 154.1988, 0.2337,
0.2319

 0.0000, 0.0068,
0.0000

191.3570, 0.2387,

 0.0000, 0.0000,

0.2379

0.0000

234.0510, 0.2432,
0.2432

■ 25.9762, 0.1809,
0.1714

■ 25.9762, 0.1809,
0.1714

■ 25.9832, 0.1810,
0.1714

■ 29.7340, 0.1873,
0.1881

■ 34.1236, 0.1957,
0.2054

■ 39.2469, 0.2065,
0.2232

■ 45.1651, 0.2193,
0.2410

■ 51.9309, 0.2336,
0.2583

■ 59.5913, 0.2490,
0.2748

■ 68.1887, 0.2650,
0.2903

■ 77.7625, 0.2811,
0.3045

■ 88.3495, 0.2972,
0.3174

Harmonies

Analogous

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



25.9762, 0.1417, 0.1866



25.9762, 0.1809, 0.1714



25.9762, 0.2575, 0.1860

Triad

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



25.9762, 0.1809, 0.1714



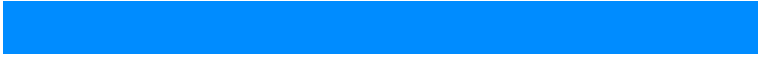
25.9762, 0.5290, 0.3563



25.9762, 0.2360, 0.4775

Complementary

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



25.9762, 0.1809, 0.1714



33.5076, 0.5582, 0.3950

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.



25.9762, 0.3337, 0.5398



25.9762, 0.1809, 0.1714



25.9762, 0.5057, 0.4318

Square

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



25.9762, 0.1809, 0.1714



25.9762, 0.4773, 0.2866



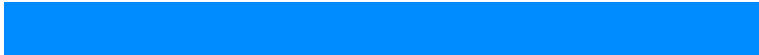
25.9762, 0.4312, 0.5056



25.9762, 0.1653, 0.3470

Rectangle

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



25.9762, 0.1809, 0.1714



25.9762, 0.3288, 0.2104



25.9762, 0.4312, 0.5056



25.9762, 0.2670, 0.5101

Sweetspot

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



25.9832, 0.1810, 0.1714



68.1995, 0.2650, 0.2903



72.7405, 0.2780, 0.5207



13.7965, 0.2582, 0.2839



0.0000, 0.0000, 0.0000



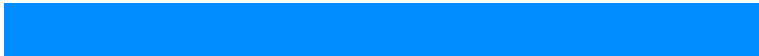
21.4041, 0.3127, 0.3290

Same Dimension

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



25.9832, 0.1810, 0.1714



25.9872, 0.1810, 0.1714



7.5003, 0.1506, 0.0621



19.0315, 0.2979, 0.3180



13.8815, 0.1817, 0.1741



1.5699, 0.1870, 0.1932

Inverse Universe

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



23.1509, 0.4789, 0.2412



23.1546, 0.4789, 0.2412



84.8997, 0.4285, 0.4980



18.1540, 0.3208, 0.3160



12.1293, 0.4756, 0.2394



1.2030, 0.4530, 0.2269

Previews

White Background



This preview shows how the Yxy color 25.9762, 0.1809, 0.1714 looks on a white background.

Color Contrast Check

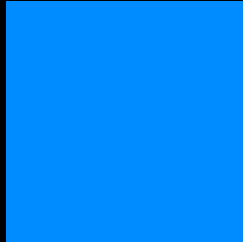
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9762, 0.1809, 0.1714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

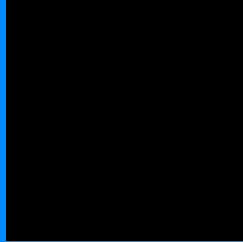
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

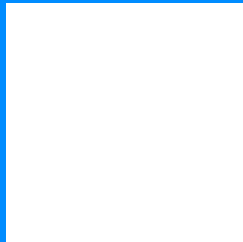
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.9762, 0.1809, 0.1714

Background



This preview shows how black text looks on a background with the Yxy color 25.9762, 0.1809, 0.1714.



This preview shows how white text looks on a background with the Yxy color 25.9762, 0.1809, 0.1714.

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

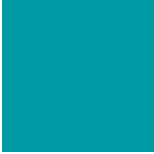
25.9762, 0.1809, 0.1714

Protanopia

26.0691, 0.1973, 0.1744

Deuteranopia

25.8893, 0.1827, 0.1777



Tritanopia

25.7915, 0.2195, 0.3100

Trichromacy



Original Color

25.9762, 0.1809, 0.1714

Protanomaly

25.6765, 0.1875, 0.1721

Deuteranomaly

26.0148, 0.1822, 0.1760

Tritanomaly

25.5261, 0.2022, 0.2478

Monochromacy



Original Color

25.9762, 0.1809, 0.1714

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.9030, 0.2267, 0.2510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9762, 0.1809, 0.1714 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 255)  
}
```

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, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 25.9762, 0.1809, 0.1714 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, 140, 255) }
```

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

```
.border{ border-color:rgb(0, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9762, 0.1809, 0.1714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 255) }
```

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

```
.background{ background-color: rgb(0, 140,  
255) }
```

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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