

Converting Colors

$Y_{xy}(30.5632, 0.1872, 0.1918)$

Have a look what the booklet for
Yxy(30.5632, 0.1872, 0.1918)
contains.

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Color

Yxy(30.4023, 0.1870, 0.1911)

Conversions

Conversions Part 1

Format	Color
Hex	0B9AFF
RGB	11, 154, 255
RGB Percent	4%, 60%, 100%
CMY	0.9559, 0.3961, 0.0000
CMYK	0.96, 0.40, 0.00, 0.00
HSL	205°, 100%, 52%
HSV	205°, 96%, 100%
XYZ	29.7500, 30.4023, 98.9387
YIQ	122.7570, -117.6490, 1.0950

Conversions

Conversions Part 2

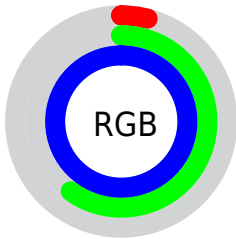
Format	Color
R _Y B	11, 101, 255
Decimal	760575
CIE Lab	62.00, 3.28, -59.23
CIE LCh	62, 59.324, 273.168
Yxy	30.4023, 0.1870, 0.1911
Android (android.graphics.Color)	4278950655 (0xFF0B9AFF)
YUV	122.7570, 65.1958, -98.0109
Hunter-Lab	55.1383, -0.1818, -67.7917

Details

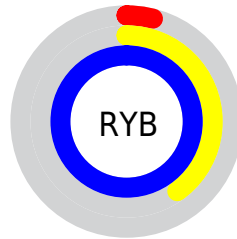
The Yxy color **30.4023, 0.1870, 0.1911** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **32.9301, 0.5593, 0.3909**, and the grayscale version is **19.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9092, 0.2304, 0.2709**, and **13.9778, 0.1793, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **28.8191, 0.1846, 0.1844**, and if you desaturate by 10%, it is **34.3595, 0.1938, 0.2069**.

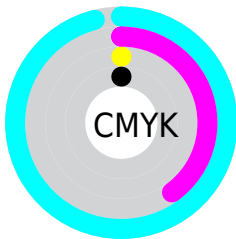
Distribution



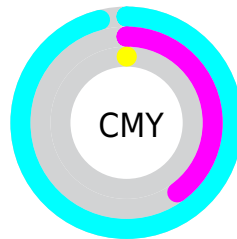
- Red (4%)
- Green (60%)
- Blue (100%)



- Red (4%)
- Yellow (40%)
- Blue (100%)



- Cyan (96%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4023, 0.1870, 0.1911 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 30.4023, 0.1870, 0.1911 by changing the saturation by 10% instead.


 30.4023, 0.1870,
0.1911


 30.4023, 0.1870,
0.1911


303.7752, 0.2492,
0.2587


 20.1441, 0.1725,
0.1756


 60.2978, 0.2090,
0.2148


 12.4999, 0.1548,
0.1566


 80.7040, 0.2174,
0.2240

 7.0851, 0.1329,
0.1334


 105.2616, 0.2247,
0.2319

 3.5154, 0.1059,
0.1050

 134.3550, 0.2309,
0.2387

 1.4063, 0.0733,
0.0711

 168.3687, 0.2364,
0.2446

 0.2214, 0.0276,
0.0210

207.6870, 0.2412,

 0.0000, 0.0000,

0.2499

0.0000

252.6944, 0.2454,
0.2545

■ 30.4023, 0.1870,
0.1911

■ 30.4023, 0.1870,
0.1911

■ 28.8191, 0.1846,
0.1844

■ 34.3595, 0.1938,
0.2069

■ 38.9606, 0.2028,
0.2231

■ 44.2704, 0.2139,
0.2395

■ 50.3438, 0.2269,
0.2555

■ 57.2285, 0.2412,
0.2711

■ 64.9674, 0.2565,
0.2857

■ 73.5995, 0.2724,
0.2994

■ 83.1611, 0.2883,
0.3119

■ 93.6860, 0.3041,
0.3232

Harmonies

Analogous

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



30.4023, 0.1581, 0.2133



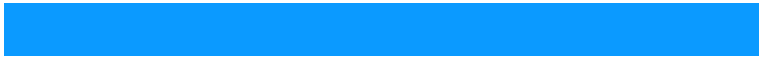
30.4023, 0.1870, 0.1911



30.4023, 0.2482, 0.1981

Triad

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



30.4023, 0.1870, 0.1911



30.4023, 0.4934, 0.3434



30.4023, 0.2672, 0.4700

Complementary

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



30.4023, 0.1870, 0.1911



32.9301, 0.5593, 0.3909

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.



30.4023, 0.3551, 0.5065



30.4023, 0.1870, 0.1911



30.4023, 0.4904, 0.4100

Square

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



30.4023, 0.1870, 0.1911



30.4023, 0.4347, 0.2811



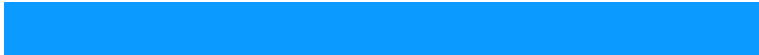
30.4023, 0.4366, 0.4731



30.4023, 0.1967, 0.3701

Rectangle

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



30.4023, 0.1870, 0.1911



30.4023, 0.3062, 0.2167



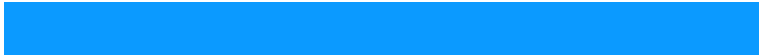
30.4023, 0.4366, 0.4731



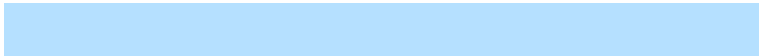
30.4023, 0.2958, 0.4913

Sweetspot

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



30.4008, 0.1870, 0.1911



70.5524, 0.2669, 0.2949



72.6916, 0.2806, 0.5278



14.3176, 0.2602, 0.2890



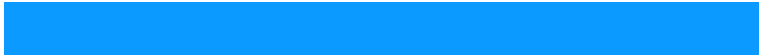
0.0000, 0.0000, 0.0000



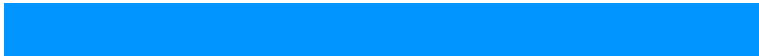
21.4041, 0.3127, 0.3290

Same Dimension

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



30.4008, 0.1870, 0.1911



28.8191, 0.1846, 0.1844



8.5319, 0.1534, 0.0696



19.1456, 0.2979, 0.3189



15.3602, 0.1853, 0.1869



1.7112, 0.1902, 0.2047

Inverse Universe

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



23.8378, 0.4550, 0.2298



23.4405, 0.4634, 0.2326



78.2268, 0.4368, 0.4897



18.1656, 0.3202, 0.3152



12.2786, 0.4604, 0.2310



1.2173, 0.4400, 0.2198

Previews

White Background



This preview shows how the Yxy color 30.4023, 0.1870, 0.1911 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.4023, 0.1870, 0.1911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

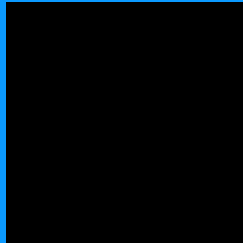
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

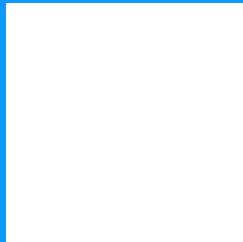
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.4023, 0.1870, 0.1911

Background



This preview shows how black text looks on a background with the Yxy color 30.4023, 0.1870, 0.1911.



This preview shows how white text looks on a background with the Yxy color 30.4023, 0.1870, 0.1911.

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

30.4023, 0.1870, 0.1911

Protanopia

30.0920, 0.2126, 0.1940

Deuteranopia

30.2616, 0.1954, 0.1887



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

30.4023, 0.1870, 0.1911

Protanomaly

29.4597, 0.1975, 0.1907

Deuteranomaly

29.9576, 0.1904, 0.1884

Tritanomaly

29.9233, 0.2053, 0.2579

Monochromacy



Original Color

30.4023, 0.1870, 0.1911

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.7843, 0.2336, 0.2629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4023, 0.1870, 0.1911 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(11, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(11, 154, 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(11, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.4023, 0.1870, 0.1911 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(11, 154, 255) }
```

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

```
.border{ border-color:rgb(11, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(11, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4023, 0.1870, 0.1911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 154, 255) }
```

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

```
.background{ background-color: rgb(11, 154,  
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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