

Converting Colors

$Y_{xy}(26.8172, 0.1922, 0.1738)$

Have a look what the booklet for
Yxy(26.8172, 0.1922, 0.1738)
contains.

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Color

Yxy(26.9873, 0.1923, 0.1741)

Conversions

Conversions Part 1

Format	Color
Hex	468BFF
RGB	70, 139, 255
RGB Percent	27%, 55%, 100%
CMY	0.7251, 0.4549, 0.0001
CMYK	0.73, 0.45, 0.00, 0.00
HSL	218°, 100%, 64%
HSV	218°, 73%, 100%
XYZ	29.8085, 26.9873, 98.2146
YIQ	131.5930, -78.3600, 21.4480

Conversions

Conversions Part 2

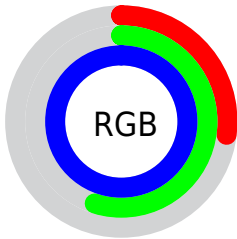
Format	Color
R _Y B	70, 120, 255
Decimal	4623359
CIE Lab	58.96, 16.59, -64.00
CIE LCh	59, 66.112, 284.535
Yxy	26.9873, 0.1923, 0.1741
Android (android.graphics.Color)	4282813439 (0xFF468BFF)
YUV	131.5930, 60.8397, -54.0171
Hunter-Lab	51.9493, 11.5119, -75.7282

Details

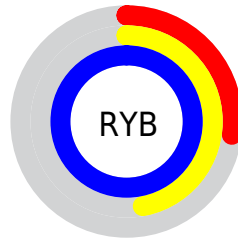
The Yxy color **26.9873, 0.1923, 0.1741** is a light color, and the websafe version is hex **6699FF**. The color can be described as light washed azure. A complement of this color would be **56.8439, 0.4595, 0.4360**, and the grayscale version is **22.7287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4082, 0.2380, 0.2523**, and **11.3435, 0.1730, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **21.9334, 0.1799, 0.1507**, and if you desaturate by 10%, it is **33.1228, 0.2071, 0.1986**.

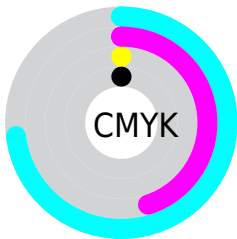
Distribution



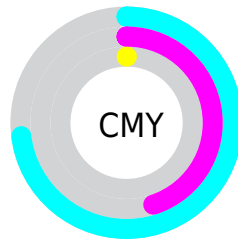
- Red (27%)
- Green (55%)
- Blue (100%)



- Red (27%)
- Yellow (47%)
- Blue (100%)



- Cyan (73%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (73%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.9873, 0.1923, 0.1741 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 26.9873, 0.1923, 0.1741 by changing the saturation by 10% instead.


 26.9873, 0.1923,
0.1741


 26.9873, 0.1923,
0.1741


287.5956, 0.2534,
0.2487


 17.5637, 0.1778,
0.1574


 54.8635, 0.2141,
0.2000


 10.6372, 0.1599,
0.1373


 74.0848, 0.2225,
0.2101

 5.8234, 0.1376,
0.1131


 97.3409, 0.2296,
0.2188

 2.7380, 0.1098,
0.0844

 125.0161, 0.2357,
0.2264

 0.9965, 0.0761,
0.0521

157.4947, 0.2410,
0.2330

 0.0000, 0.0292,
0.0000

195.1613, 0.2456,

 0.0000, 0.0000,

0.2389

0.0000

238.4001, 0.2497,
0.2441

■ 26.9873, 0.1923,
0.1741

■ 26.9873, 0.1923,
0.1741

■ 21.9334, 0.1799,
0.1507

■ 33.1228, 0.2071,
0.1986

■ 17.8744, 0.1705,
0.1293

■ 40.4102, 0.2236,
0.2231

■ 15.4057, 0.1653,
0.1150

■ 48.9155, 0.2410,
0.2468

■ 58.6984, 0.2588,
0.2692

■ 69.8142, 0.2762,
0.2898

■ 82.3145, 0.2930,
0.3085

■ 96.2481, 0.3089,
0.3251

■ 99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



26.9873, 0.1480, 0.1843



26.9873, 0.1923, 0.1741



26.9873, 0.2739, 0.1927

Triad

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



26.9873, 0.1923, 0.1741



26.9873, 0.5263, 0.3680



26.9873, 0.2242, 0.4560

Complementary

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



26.9873, 0.1923, 0.1741



56.8439, 0.4595, 0.4360

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.



26.9873, 0.3183, 0.5329



26.9873, 0.1923, 0.1741



26.9873, 0.4940, 0.4431

Square

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



26.9873, 0.1923, 0.1741



26.9873, 0.4871, 0.2980



26.9873, 0.4158, 0.5124



26.9873, 0.1605, 0.3274

Rectangle

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



26.9873, 0.1923, 0.1741



26.9873, 0.3468, 0.2194



26.9873, 0.4158, 0.5124



26.9873, 0.2535, 0.4922

Sweetspot

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



26.9881, 0.1923, 0.1741



70.4338, 0.2771, 0.2908



76.2678, 0.2596, 0.4217



14.3975, 0.2724, 0.2854



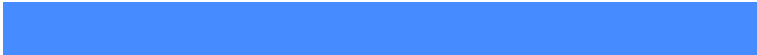
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



26.9881, 0.1923, 0.1741



19.9973, 0.1753, 0.1408



13.8693, 0.1831, 0.1032



18.4867, 0.2979, 0.3137



8.3142, 0.1661, 0.1180



1.0107, 0.1724, 0.1405

Inverse Universe

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



27.5104, 0.4678, 0.2676



23.6130, 0.5152, 0.2708



89.3309, 0.3938, 0.4983



18.0990, 0.3235, 0.3202



11.5673, 0.5494, 0.2800



1.1466, 0.5184, 0.2630

Previews

White Background



This preview shows how the Yxy color 26.9873, 0.1923, 0.1741 looks on a white background.

Color Contrast Check

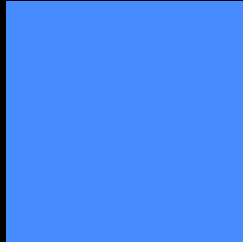
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9873, 0.1923, 0.1741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

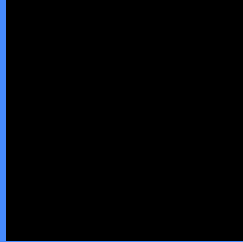
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

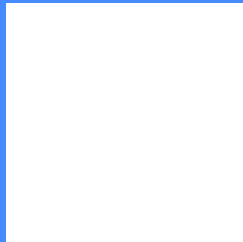
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.9873, 0.1923, 0.1741

Background



This preview shows how black text looks on a background with the Yxy color 26.9873, 0.1923, 0.1741.



This preview shows how white text looks on a background with the Yxy color 26.9873, 0.1923, 0.1741.

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

26.9873, 0.1923, 0.1741

Protanopia

26.9145, 0.1977, 0.1749

Deuteranopia

26.9198, 0.1834, 0.1767



Tritanopia

26.9411, 0.2191, 0.3086

Trichromacy



Original Color

26.9873, 0.1923, 0.1741

Protanomaly

27.0382, 0.1958, 0.1748

Deuteranomaly

26.8768, 0.1854, 0.1761

Tritanomaly

26.1895, 0.2041, 0.2460

Monochromacy



Original Color

26.9873, 0.1923, 0.1741

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.7535, 0.2500, 0.2592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9873, 0.1923, 0.1741 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(70, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 139, 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(70, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.9873, 0.1923, 0.1741 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(70, 139, 255) }
```

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

```
.border{ border-color:rgb(70, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9873, 0.1923, 0.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 139, 255) }
```

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

```
.background{ background-color: rgb(70, 139,  
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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