

Converting Colors

$Y_{xy}(29.8359, 0.1790, 0.1430)$

Have a look what the booklet for
Yxy(29.8359, 0.1790, 0.1430)
contains.

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Color

Yxy(26.6773, 0.1895, 0.1731)

Conversions

Conversions Part 1

Format	Color
Hex	3D8BFF
RGB	61, 139, 255
RGB Percent	24%, 55%, 100%
CMY	0.7611, 0.4549, 0.0000
CMYK	0.76, 0.45, 0.00, 0.00
HSL	216°, 100%, 62%
HSV	216°, 76%, 100%
XYZ	29.2048, 26.6773, 98.2329
YIQ	128.9020, -83.7240, 19.5400

Conversions

Conversions Part 2

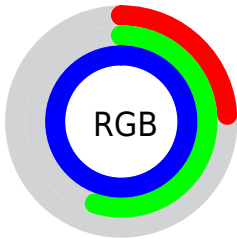
Format	Color
R _Y B	61, 117, 255
Decimal	4033535
CIE Lab	58.67, 15.52, -64.51
CIE LCh	59, 66.347, 283.532
Yxy	26.6773, 0.1895, 0.1731
Android (android.graphics.Color)	4282223615 (0xFF3D8BFF)
YUV	128.9020, 62.1663, -59.5501
Hunter-Lab	51.6501, 10.5426, -76.6081

Details

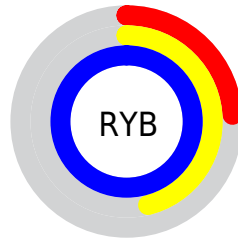
The Yxy color **26.6773, 0.1895, 0.1731** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **53.0035, 0.4722, 0.4331**, and the grayscale version is **21.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9058, 0.2349, 0.2517**, and **11.3435, 0.1730, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **21.9419, 0.1784, 0.1510**, and if you desaturate by 10%, it is **32.4111, 0.2031, 0.1964**.

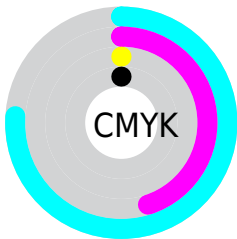
Distribution



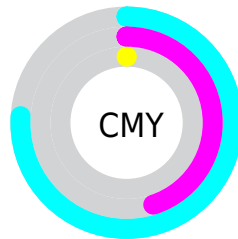
- Red (24%)
- Green (55%)
- Blue (100%)



- Red (24%)
- Yellow (46%)
- Blue (100%)



- Cyan (76%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (76%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6773, 0.1895, 0.1731 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 26.6773, 0.1895, 0.1731 by changing the saturation by 10% instead.


 26.6773, 0.1895,
0.1731


 26.6773, 0.1895,
0.1731


286.0913, 0.2519,
0.2484


 17.3310, 0.1747,
0.1562


 54.3656, 0.2118,
0.1992


 10.4708, 0.1565,
0.1360


 73.4764, 0.2203,
0.2094

 5.7122, 0.1339,
0.1117


 96.6108, 0.2276,
0.2182

 2.6709, 0.1060,
0.0829

 124.1533, 0.2338,
0.2258

 0.9624, 0.0723,
0.0506

156.4882, 0.2392,
0.2325

 0.0000, 0.0237,
0.0000

193.9999, 0.2440,

 0.0000, 0.0000,

0.2384

0.0000

237.0728, 0.2482,
0.2437

■ 26.6773, 0.1895,
0.1731

■ 26.6773, 0.1895,
0.1731

■ 21.9419, 0.1784,
0.1510

■ 32.4111, 0.2031,
0.1964

■ 18.1209, 0.1703,
0.1308

■ 39.2167, 0.2187,
0.2199

■ 16.8417, 0.1677,
0.1235

■ 47.1572, 0.2355,
0.2428

■ 56.2906, 0.2528,
0.2646

■ 66.6701, 0.2702,
0.2848

■ 78.3454, 0.2871,
0.3033

■ 91.3634, 0.3033,
0.3198

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



26.6773, 0.1462, 0.1843



26.6773, 0.1895, 0.1731



26.6773, 0.2703, 0.1909

Triad

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



26.6773, 0.1895, 0.1731



26.6773, 0.5276, 0.3655



26.6773, 0.2263, 0.4611

Complementary

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



26.6773, 0.1895, 0.1731



53.0035, 0.4722, 0.4331

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.



26.6773, 0.3214, 0.5353



26.6773, 0.1895, 0.1731



26.6773, 0.4969, 0.4409

Square

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



26.6773, 0.1895, 0.1731



26.6773, 0.4858, 0.2955



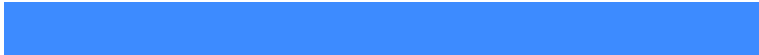
26.6773, 0.4192, 0.5116



26.6773, 0.1610, 0.3313

Rectangle

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



26.6773, 0.1895, 0.1731



26.6773, 0.3431, 0.2172



26.6773, 0.4192, 0.5116



26.6773, 0.2560, 0.4967

Sweetspot

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



26.6769, 0.1895, 0.1731



70.1622, 0.2755, 0.2908



75.5705, 0.2617, 0.4363



14.1524, 0.2693, 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.



26.6769, 0.1895, 0.1731



19.9660, 0.1741, 0.1408



12.1298, 0.1744, 0.0928



18.5774, 0.2979, 0.3144



9.0737, 0.1685, 0.1265



1.0907, 0.1747, 0.1489

Inverse Universe

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



26.4527, 0.4707, 0.2618



23.1392, 0.5164, 0.2672



90.1765, 0.4001, 0.5001



18.1082, 0.3231, 0.3195



11.6440, 0.5374, 0.2734



1.1547, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 26.6773, 0.1895, 0.1731 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 26.6773, 0.1895, 0.1731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

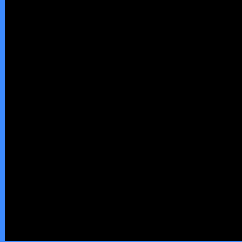
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

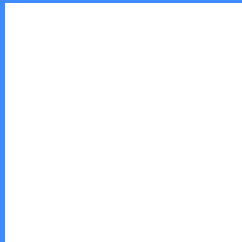
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.6773, 0.1895, 0.1731

Background



This preview shows how black text looks on a background with the Yxy color 26.6773, 0.1895, 0.1731.



This preview shows how white text looks on a background with the Yxy color 26.6773, 0.1895, 0.1731.

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

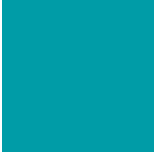
26.6773, 0.1895, 0.1731

Protanopia

26.5214, 0.1973, 0.1743

Deuteranopia

26.7368, 0.1826, 0.1772



Tritanopia

26.5670, 0.2190, 0.3085

Trichromacy



Original Color

26.6773, 0.1895, 0.1731

Protanomaly

26.5197, 0.1943, 0.1737

Deuteranomaly

26.6723, 0.1835, 0.1755

Tritanomaly

26.1068, 0.2041, 0.2472

Monochromacy



Original Color

26.6773, 0.1895, 0.1731

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.8133, 0.2468, 0.2579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6773, 0.1895, 0.1731 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(61, 139, 255)` looks like.

```
.text, #text, p{  
  color:rgb(61, 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(61, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.6773, 0.1895, 0.1731 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(61, 139, 255) }
```

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

```
.border{ border-color:rgb(61, 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(61, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6773, 0.1895, 0.1731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 139, 255) }
```

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

```
.background{ background-color: rgb(61, 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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