

Converting Colors

$Y_{xy}(26.6591, 0.1844, 0.1741)$

Have a look what the booklet for
Yxy(26.6591, 0.1844, 0.1741)
contains.

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Color

Yxy(26.5931, 0.1843, 0.1738)

Conversions

Conversions Part 1

Format	Color
Hex	218DFF
RGB	33, 141, 255
RGB Percent	13%, 55%, 100%
CMY	0.8699, 0.4470, 0.0002
CMYK	0.87, 0.45, 0.00, 0.00
HSL	211°, 100%, 56%
HSV	211°, 87%, 100%
XYZ	28.1997, 26.5931, 98.2170
YIQ	121.7040, -100.9620, 12.5580

Conversions

Conversions Part 2

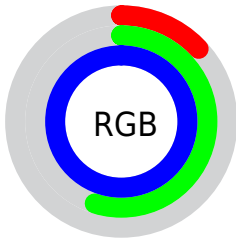
Format	Color
RYB	33, 106, 255
Decimal	2199039
CIELab	58.60, 11.95, -64.63
CIELCh	59, 65.725, 280.474
Yxy	26.5931, 0.1843, 0.1738
Android (android.graphics.Color)	4280389119 (0xFF218DFF)
YUV	121.7040, 65.7149, -77.7934
Hunter-Lab	51.5685, 7.3660, -76.8253

Details

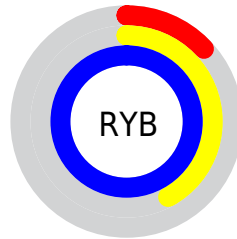
The Yxy color **26.5931, 0.1843, 0.1738** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **42.2683, 0.5139, 0.4181**, and the grayscale version is **19.1840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7966, 0.2292, 0.2531**, and **11.6855, 0.1740, 0.1462** is the 20% darker color. If you saturate the color by 10%, you get **22.6798, 0.1769, 0.1552**, and if you desaturate by 10%, it is **31.2818, 0.1943, 0.1935**.

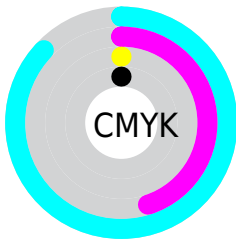
Distribution



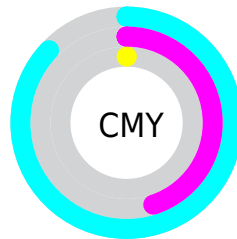
- Red (13%)
- Green (55%)
- Blue (100%)



- Red (13%)
- Yellow (42%)
- Blue (100%)



- Cyan (87%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.5931, 0.1843, 0.1738 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 26.5931, 0.1843, 0.1738 by changing the saturation by 10% instead.

 26.5931, 0.1843,
0.1738


 26.5931, 0.1843,
0.1738


285.6815, 0.2489,
0.2491


 17.2679, 0.1691,
0.1569


 54.2302, 0.2073,
0.2000


 10.4257, 0.1505,
0.1365


 73.3109, 0.2161,
0.2102

 5.6821, 0.1276,
0.1120


 96.4122, 0.2236,
0.2190

 2.6527, 0.0994,
0.0830

 123.9185, 0.2301,
0.2266

 0.9533, 0.0661,
0.0505

 156.2142, 0.2358,
0.2333

 0.0000, 0.0144,
0.0000

193.6837, 0.2407,

 0.0000, 0.0000,

0.2392

0.0000

236.7113, 0.2451,
0.2444

■ 26.5931, 0.1843,
0.1738

■ 26.5931, 0.1843,
0.1738

■ 22.6798, 0.1769,
0.1552

■ 31.2818, 0.1943,
0.1935

■ 21.6225, 0.1750,
0.1499

■ 36.8209, 0.2066,
0.2138

■ 43.2746, 0.2208,
0.2341

■ 50.6983, 0.2363,
0.2538

■ 59.1419, 0.2527,
0.2724

■ 68.6512, 0.2694,
0.2898

■ 79.2688, 0.2859,
0.3056

■ 91.0347, 0.3019,
0.3199

■ 99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



26.5931, 0.1448, 0.1883



26.5931, 0.1843, 0.1738



26.5931, 0.2607, 0.1888

Triad

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



26.5931, 0.1843, 0.1738



26.5931, 0.5253, 0.3582



26.5931, 0.2358, 0.4715

Complementary

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



26.5931, 0.1843, 0.1738



42.2683, 0.5139, 0.4181

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.



26.5931, 0.3318, 0.5351



26.5931, 0.1843, 0.1738



26.5931, 0.5016, 0.4328

Square

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



26.5931, 0.1843, 0.1738



26.5931, 0.4760, 0.2891



26.5931, 0.4280, 0.5044



26.5931, 0.1668, 0.3441

Rectangle

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



26.5931, 0.1843, 0.1738



26.5931, 0.3312, 0.2133



26.5931, 0.4280, 0.5044



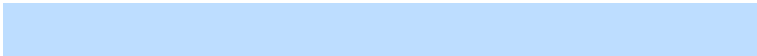
26.5931, 0.2662, 0.5040

Sweetspot

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



26.5939, 0.1843, 0.1738



69.6791, 0.2710, 0.2914



73.8338, 0.2694, 0.4803



14.1744, 0.2652, 0.2856



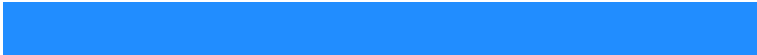
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



26.5939, 0.1843, 0.1738



21.6306, 0.1750, 0.1499



8.6405, 0.1562, 0.0702



18.8357, 0.2979, 0.3165



11.5988, 0.1758, 0.1528



1.3471, 0.1816, 0.1737

Inverse Universe

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



24.2720, 0.4739, 0.2470



22.7148, 0.5061, 0.2562



92.8546, 0.4166, 0.5008



18.1343, 0.3218, 0.3175



11.8989, 0.5023, 0.2541



1.1805, 0.4761, 0.2396

Previews

White Background



This preview shows how the Yxy color 26.5931, 0.1843, 0.1738 looks on a white background.

Color Contrast Check

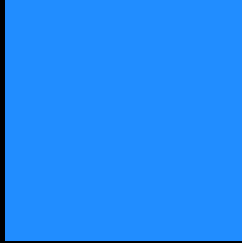
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5931, 0.1843, 0.1738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

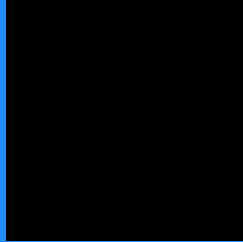
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

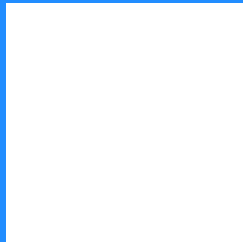
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.5931, 0.1843, 0.1738

Background



This preview shows how black text looks on a background with the Yxy color 26.5931, 0.1843, 0.1738.



This preview shows how white text looks on a background with the Yxy color 26.5931, 0.1843, 0.1738.

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

26.5931, 0.1843, 0.1738

Protanopia

26.4889, 0.1988, 0.1762

Deuteranopia

26.3743, 0.1824, 0.1766



Tritanopia

26.1959, 0.2190, 0.3084

Trichromacy



Original Color

26.5931, 0.1843, 0.1738

Protanomaly

26.3985, 0.1918, 0.1748

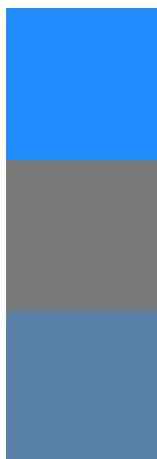
Deuteranomaly

26.5160, 0.1829, 0.1760

Tritanomaly

25.9681, 0.2033, 0.2484

Monochromacy



Original Color

26.5931, 0.1843, 0.1738

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.7765, 0.2382, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.5931, 0.1843, 0.1738 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(33, 141, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 141, 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(33, 141, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 141, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.5931, 0.1843, 0.1738 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(33, 141, 255) }
```

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

```
.border{ border-color:rgb(33, 141, 255) }
```

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

Here you see how a box with a 4 pixel rgb(33, 141, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 141, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 141, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 141,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.5931, 0.1843, 0.1738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 141, 255) }
```

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

```
.background{ background-color: rgb(33, 141,  
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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