

Converting Colors

$Y_{xy}(29.9110, 0.1893, 0.2014)$

Have a look what the booklet for
Yxy(29.9110, 0.1893, 0.2014)
contains.

Yxy(30.0353, 0.1894, 0.2017)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.0353, 0.1894, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	019BF5
RGB	1, 155, 245
RGB Percent	0%, 61%, 96%
CMY	0.9977, 0.3922, 0.0393
CMYK	1.00, 0.37, 0.00, 0.04
HSL	202°, 100%, 48%
HSV	202°, 100%, 96%
XYZ	28.2037, 30.0353, 90.6718
YIQ	119.2140, -120.6740, -4.6580

Conversions

Conversions Part 2

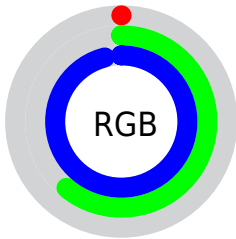
Format	Color
R_{YB}	1, 95, 245
Decimal	105461
CIE Lab	61.68, -1.35, -54.22
CIE LCh	62, 54.241, 268.574
Yxy	30.0353, 0.1894, 0.2017
Android (android.graphics.Color)	4278295541 (0xFF019BF5)
YUV	119.2140, 62.0125, -103.6737
Hunter-Lab	54.8045, -4.0474, -59.7298

Details

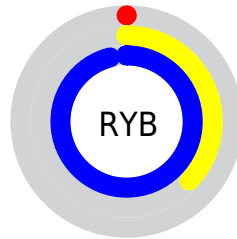
The Yxy color **30.0353, 0.1894, 0.2017** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.8145, 0.5810, 0.3767**, and the grayscale version is **18.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1359, 0.2291, 0.2720**, and **13.5315, 0.1822, 0.1757** is the 20% darker color. If you saturate the color by 10%, you get **29.9611, 0.1893, 0.2014**, and if you desaturate by 10%, it is **33.3550, 0.1949, 0.2156**.

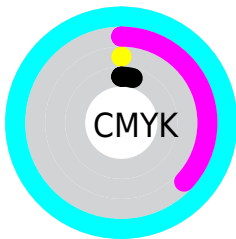
Distribution



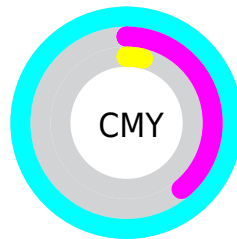
- Red (0%)
- Green (61%)
- Blue (96%)



- Red (0%)
- Yellow (37%)
- Blue (96%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (39%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0353, 0.1894, 0.2017 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 30.0353, 0.1894, 0.2017 by changing the saturation by 10% instead.

 30.0353, 0.1894,
0.2017


 30.0353, 0.1894,
0.2017


302.0690, 0.2508,
0.2653


 19.8654, 0.1749,
0.1866


 59.7180, 0.2112,
0.2244


 12.2972, 0.1571,
0.1680


 79.9996, 0.2196,
0.2331

 6.9464, 0.1349,
0.1448


 104.4205, 0.2267,
0.2405

 3.4286, 0.1072,
0.1156

 133.3651, 0.2329,
0.2468

 1.3594, 0.0733,
0.0798

 167.2179, 0.2382,
0.2524

 0.1865, 0.0168,
0.0217

206.3632, 0.2429,

 0.0000, 0.0000,

0.2572

0.0000

251.1854, 0.2471,
0.2615

■ 30.0353, 0.1894,
0.2017

■ 30.0353, 0.1894,
0.2017

■ 29.9611, 0.1893,
0.2014

■ 33.3550, 0.1949,
0.2156

■ 37.1585, 0.2024,
0.2298

■ 41.5272, 0.2120,
0.2442

■ 46.5122, 0.2235,
0.2585

■ 52.1572, 0.2367,
0.2723

■ 58.5006, 0.2511,
0.2855

■ 65.5775, 0.2663,
0.2979

■ 73.4199, 0.2819,
0.3094

■ 82.0576, 0.2976,
0.3198

Harmonies

Analogous

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



30.0353, 0.1665, 0.2282



30.0353, 0.1894, 0.2017



30.0353, 0.2426, 0.2040

Triad

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



30.0353, 0.1894, 0.2017



30.0353, 0.4742, 0.3347



30.0353, 0.2839, 0.4667

Complementary

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



30.0353, 0.1894, 0.2017



26.8145, 0.5810, 0.3767

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.



30.0353, 0.3662, 0.4908



30.0353, 0.1894, 0.2017



30.0353, 0.4815, 0.3972

Square

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



30.0353, 0.1894, 0.2017



30.0353, 0.4127, 0.2768



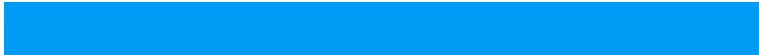
30.0353, 0.4390, 0.4563



30.0353, 0.2139, 0.3823

Rectangle

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



30.0353, 0.1894, 0.2017



30.0353, 0.2940, 0.2193



30.0353, 0.4390, 0.4563



30.0353, 0.3111, 0.4827

Sweetspot

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



30.0362, 0.1894, 0.2017



71.5928, 0.2658, 0.2976



66.0314, 0.2847, 0.5449



14.6035, 0.2593, 0.2924



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.



30.0362, 0.1894, 0.2017



32.7519, 0.1892, 0.2011



7.6915, 0.1525, 0.0689



17.6722, 0.2980, 0.3201



16.4186, 0.1899, 0.2036



1.6389, 0.1948, 0.2211

Inverse Universe

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



21.7861, 0.4433, 0.2217



23.8375, 0.4441, 0.2220



66.6876, 0.4453, 0.4845



16.6587, 0.3195, 0.3142



11.7568, 0.4412, 0.2204



1.0531, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 30.0353, 0.1894, 0.2017 looks on a white background.

Color Contrast Check

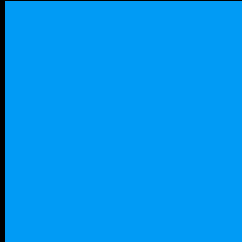
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0353, 0.1894, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

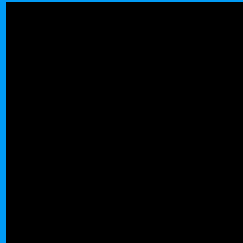
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

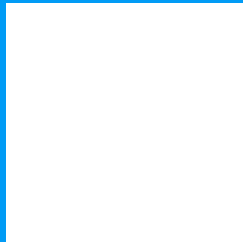
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.0353, 0.1894, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 30.0353, 0.1894, 0.2017.



This preview shows how white text looks on a background with the Yxy color 30.0353, 0.1894, 0.2017.

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

30.0417, 0.1894, 0.2017

Protanopia

29.8176, 0.2207, 0.2052

Deuteranopia

29.9877, 0.2032, 0.1969



Tritanopia

30.0449, 0.2193, 0.3095

Trichromacy



Original Color

30.0417, 0.1894, 0.2017

Protanomaly

29.1046, 0.2016, 0.2023

Deuteranomaly

29.5439, 0.1944, 0.1969

Tritanomaly

29.7068, 0.2065, 0.2635

Monochromacy



Original Color

30.0417, 0.1894, 0.2017

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.7556, 0.2328, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0353, 0.1894, 0.2017 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(1, 155, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 155, 245)  
}
```

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(1, 155, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 155, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.0353, 0.1894, 0.2017 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(1, 155, 245) }
```

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

```
.border{ border-color:rgb(1, 155, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 155, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 155, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 155, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 155,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0353, 0.1894, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 155, 245) }
```

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

```
.background{ background-color: rgb(1, 155,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor