

Converting Colors

$Y_{xy}(31.1396, 0.1927, 0.2087)$

Have a look what the booklet for
Yxy(31.1396, 0.1927, 0.2087)
contains.

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Color

Yxy(31.0842, 0.1926, 0.2085)

Conversions

Conversions Part 1

Format	Color
Hex	159EF3
RGB	21, 158, 243
RGB Percent	8%, 62%, 95%
CMY	0.9177, 0.3804, 0.0470
CMYK	0.91, 0.35, 0.00, 0.05
HSL	203°, 90%, 52%
HSV	203°, 91%, 95%
XYZ	28.7138, 31.0842, 89.2869
YIQ	126.7270, -108.9370, -2.6090

Conversions

Conversions Part 2

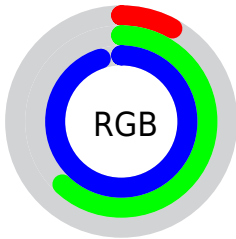
Format	Color
R _Y B	21, 106, 243
Decimal	1416947
CIE Lab	62.58, -3.21, -51.72
CIE LCh	63, 51.819, 266.454
Yxy	31.0842, 0.1926, 0.2085
Android (android.graphics.Color)	4279607027 (0xFF159EF3)
YUV	126.7270, 57.3226, -92.7226
Hunter-Lab	55.7532, -5.6379, -55.9238

Details

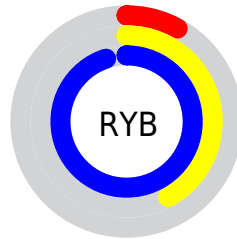
The Yxy color **31.0842, 0.1926, 0.2085** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **29.4149, 0.5572, 0.3879**, and the grayscale version is **20.9514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8177, 0.2311, 0.2761**, and **14.0606, 0.1843, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **28.2751, 0.1878, 0.1961**, and if you desaturate by 10%, it is **34.7854, 0.1999, 0.2233**.

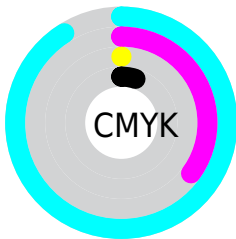
Distribution



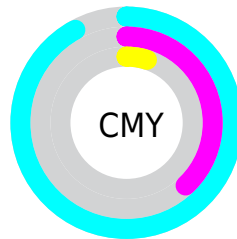
- Red (8%)
- Green (62%)
- Blue (95%)



- Red (8%)
- Yellow (42%)
- Blue (95%)



- Cyan (91%)
- Magenta (35%)
- Yellow (0%)
- Black (5%)





- Cyan (92%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0842, 0.1926, 0.2085 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 31.0842, 0.1926, 0.2085 by changing the saturation by 10% instead.

 31.0842, 0.1926,
0.2085


 31.0842, 0.1926,
0.2085


306.9260, 0.2523,
0.2690


 20.6630, 0.1785,
0.1940


 61.3726, 0.2138,
0.2301


 12.8779, 0.1611,
0.1761


 82.0086, 0.2220,
0.2384


 7.3445, 0.1393,
0.1535


 106.8183, 0.2289,
0.2454

 3.6785, 0.1119,
0.1248

 136.1860, 0.2349,
0.2515

 1.4954, 0.0780,
0.0889

 170.4963, 0.2401,
0.2567

 0.2855, 0.0228,
0.0337

210.1335, 0.2447,

 0.0000, 0.0000,

0.2613

0.0000

255.4819, 0.2487,
0.2654

■ 31.0842, 0.1926,
0.2085

■ 31.0842, 0.1926,
0.2085

■ 28.2751, 0.1878,
0.1961

■ 34.7854, 0.1999,
0.2233

■ 39.0483, 0.2094,
0.2382

■ 43.9262, 0.2209,
0.2532

■ 49.4634, 0.2340,
0.2677

■ 55.6988, 0.2484,
0.2816

■ 62.6678, 0.2636,
0.2947

■ 70.4027, 0.2793,
0.3067

■ 78.9337, 0.2951,
0.3178

■ 88.2889, 0.3106,
0.3277

Harmonies

Analogous

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



31.0842, 0.1725, 0.2366



31.0842, 0.1926, 0.2085



31.0842, 0.2417, 0.2087

Triad

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



31.0842, 0.1926, 0.2085



31.0842, 0.4628, 0.3313



31.0842, 0.2915, 0.4618

Complementary

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



31.0842, 0.1926, 0.2085



29.4149, 0.5572, 0.3879

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.



31.0842, 0.3700, 0.4811



31.0842, 0.1926, 0.2085



31.0842, 0.4742, 0.3911

Square

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



31.0842, 0.1926, 0.2085



31.0842, 0.4017, 0.2760



31.0842, 0.4375, 0.4474



31.0842, 0.2231, 0.3859

Rectangle

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



31.0842, 0.1926, 0.2085



31.0842, 0.2896, 0.2223



31.0842, 0.4375, 0.4474



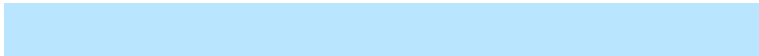
31.0842, 0.3177, 0.4755

Sweetspot

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



31.0852, 0.1926, 0.2085



73.5176, 0.2703, 0.3000



65.2328, 0.2817, 0.5284



15.1189, 0.2650, 0.2958



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.



31.0852, 0.1926, 0.2085



31.4598, 0.1877, 0.1957



8.9619, 0.1573, 0.0799



17.6299, 0.2980, 0.3197



15.7859, 0.1884, 0.1984



1.5858, 0.1935, 0.2165

Inverse Universe

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



22.0604, 0.4350, 0.2211



23.7070, 0.4501, 0.2253



66.9027, 0.4410, 0.4837



16.6545, 0.3197, 0.3145



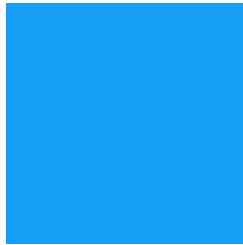
11.6930, 0.4471, 0.2237



1.0477, 0.4270, 0.2126

Previews

White Background



This preview shows how the Yxy color 31.0842, 0.1926, 0.2085 looks on a white background.

Color Contrast Check

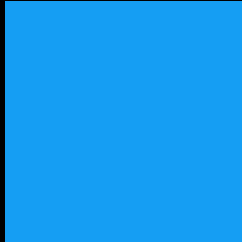
Large Text (above 18pt) WCAG AA × Fail

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 31.0842, 0.1926, 0.2085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

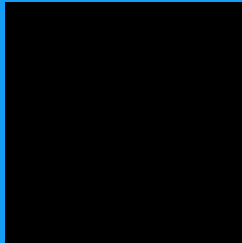
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

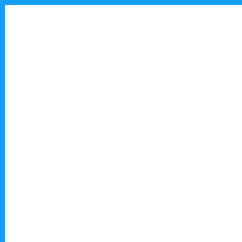
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0842, 0.1926, 0.2085

Background



This preview shows how black text looks on a background with the Yxy color 31.0842, 0.1926, 0.2085.



This preview shows how white text looks on a background with the Yxy color 31.0842, 0.1926, 0.2085.

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

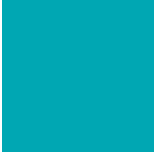
31.0842, 0.1926, 0.2085

Protanopia

30.7299, 0.2258, 0.2110

Deuteranopia

31.0011, 0.2080, 0.2018



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

31.0842, 0.1926, 0.2085

Protanomaly

30.0866, 0.2073, 0.2084

Deuteranomaly

30.8011, 0.1997, 0.2041

Tritanomaly

30.8668, 0.2082, 0.2673

Monochromacy



Original Color

31.0842, 0.1926, 0.2085

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

23.1162, 0.2404, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0842, 0.1926, 0.2085 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(21, 158, 243)` looks like.

```
.text, #text, p{  
    color:rgb(21, 158, 243)  
}
```

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(21, 158, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 158, 243) }
```

Border

The CSS property to change the border of an element to Yxy 31.0842, 0.1926, 0.2085 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(21, 158, 243) }
```

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

```
.border{ border-color:rgb(21, 158, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 158, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 158, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 158, 243);  
box-shadow:4px 4px 4px 4px rgb(21, 158,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0842, 0.1926, 0.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 158, 243) }
```

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

```
.background{ background-color: rgb(21, 158,  
243) }
```

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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