

Converting Colors

$Y_{xy}(31.4695, 0.1945, 0.2040)$

Have a look what the booklet for
Yxy(31.4695, 0.1945, 0.2040)
contains.

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Color

Yxy(31.3872, 0.1946, 0.2041)

Conversions

Conversions Part 1

Format	Color
Hex	2D9DF7
RGB	45, 157, 247
RGB Percent	18%, 62%, 97%
CMY	0.8235, 0.3843, 0.0314
CMYK	0.82, 0.36, 0.00, 0.03
HSL	207°, 93%, 57%
HSV	207°, 82%, 97%
XYZ	29.9263, 31.3872, 92.4700
YIQ	133.7720, -95.6420, 4.2460

Conversions

Conversions Part 2

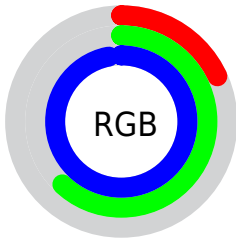
Format	Color
RYB	45, 117, 247
Decimal	2989559
CIELab	62.83, 0.36, -53.48
CIElCh	63, 53.481, 270.381
Yxy	31.3872, 0.1946, 0.2041
Android (android.graphics.Color)	4281179639 (0xFF2D9DF7)
YUV	133.7720, 55.8214, -77.8530
Hunter-Lab	56.0243, -2.6939, -58.6432

Details

The Yxy color **31.3872, 0.1946, 0.2041** 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 **37.2897, 0.5164, 0.4055**, and the grayscale version is **23.5716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0195, 0.2350, 0.2753**, and **14.0258, 0.1826, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **27.4245, 0.1866, 0.1870**, and if you desaturate by 10%, it is **36.0143, 0.2049, 0.2216**.

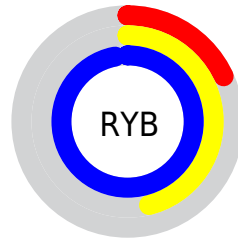
Distribution



Red (18%)

Green (62%)

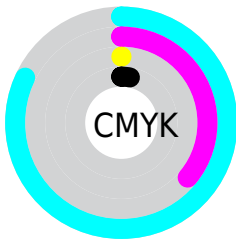
Blue (97%)



Red (18%)

Yellow (46%)

Blue (97%)

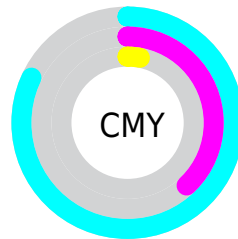


Cyan (82%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (82%)


Magenta (38%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3872, 0.1946, 0.2041 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 31.3872, 0.1946, 0.2041 by changing the saturation by 10% instead.


 31.3872, 0.1946,
0.2041

 31.3872, 0.1946,
0.2041


308.3182, 0.2533,
0.2661

 20.8939, 0.1807,
0.1895


 61.8492, 0.2155,
0.2261


 13.0464, 0.1636,
0.1714


 82.5866, 0.2235,
0.2346

 7.4605, 0.1422,
0.1489


 107.5075, 0.2303,
0.2418

 3.7517, 0.1153,
0.1206

 136.9963, 0.2362,
0.2480

 1.5357, 0.0820,
0.0855

 171.4374, 0.2413,
0.2534

 0.3136, 0.0331,
0.0339

211.2151, 0.2458,

 0.0000, 0.0000,

0.2582

0.0000

256.7139, 0.2498,
0.2624

■ 31.3872, 0.1946,
0.2041

■ 31.3872, 0.1946,
0.2041

■ 27.4245, 0.1866,
0.1870

■ 36.0143, 0.2049,
0.2216

■ 24.5923, 0.1816,
0.1736

■ 41.3612, 0.2173,
0.2392

■ 47.4783, 0.2312,
0.2564

■ 54.4095, 0.2464,
0.2728

■ 62.1945, 0.2622,
0.2882

■ 70.8699, 0.2784,
0.3024

■ 80.4698, 0.2944,
0.3154

■ 91.0262, 0.3100,
0.3271

■ 99.4949, 0.3173,
0.3367

Harmonies

Analogous

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



31.3872, 0.1703, 0.2284



31.3872, 0.1946, 0.2041



31.3872, 0.2485, 0.2078

Triad

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



31.3872, 0.1946, 0.2041



31.3872, 0.4717, 0.3387



31.3872, 0.2804, 0.4586

Complementary

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



31.3872, 0.1946, 0.2041



37.2897, 0.5164, 0.4055

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.



31.3872, 0.3606, 0.4866



31.3872, 0.1946, 0.2041



31.3872, 0.4760, 0.4000

Square

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



31.3872, 0.1946, 0.2041



31.3872, 0.4146, 0.2814



31.3872, 0.4326, 0.4565



31.3872, 0.2133, 0.3751

Rectangle

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



31.3872, 0.1946, 0.2041



31.3872, 0.2997, 0.2237



31.3872, 0.4326, 0.4565



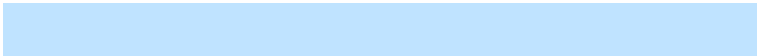
31.3872, 0.3067, 0.4756

Sweetspot

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



31.3882, 0.1946, 0.2041



73.0472, 0.2731, 0.2979



68.7557, 0.2742, 0.4892



14.9327, 0.2674, 0.2929



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.



31.3882, 0.1946, 0.2041



27.0975, 0.1827, 0.1765



10.3472, 0.1635, 0.0872



17.4505, 0.2980, 0.3182



13.2949, 0.1823, 0.1763



1.3734, 0.1881, 0.1970

Inverse Universe

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



24.0847, 0.4379, 0.2324



23.3740, 0.4725, 0.2385



78.5390, 0.4239, 0.4887



16.6364, 0.3207, 0.3160



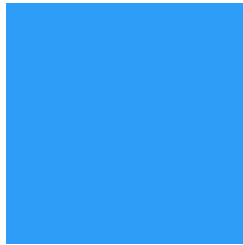
11.4415, 0.4730, 0.2379



1.0263, 0.4487, 0.2245

Previews

White Background



This preview shows how the Yxy color 31.3872, 0.1946, 0.2041 looks on a white background.

Color Contrast Check

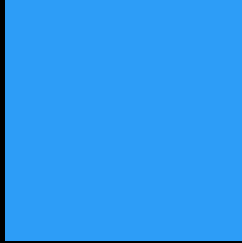
Large Text (above 18pt) WCAG AA × Fail

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 31.3872, 0.1946, 0.2041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

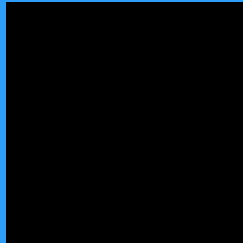
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

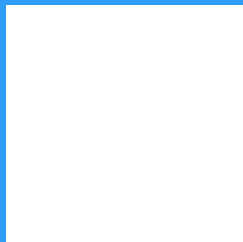
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3872, 0.1946, 0.2041

Background



This preview shows how black text looks on a background with the Yxy color 31.3872, 0.1946, 0.2041.



This preview shows how white text looks on a background with the Yxy color 31.3872, 0.1946, 0.2041.

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

31.3872, 0.1946, 0.2041

Protanopia

31.1937, 0.2225, 0.2071

Deuteranopia

31.3576, 0.2059, 0.2000



Tritanopia

31.3006, 0.2189, 0.3081

Trichromacy



Original Color

31.3872, 0.1946, 0.2041

Protanomaly

30.7682, 0.2087, 0.2045

Deuteranomaly

31.3050, 0.2006, 0.2010

Tritanomaly

31.0207, 0.2080, 0.2646

Monochromacy



Original Color

31.3872, 0.1946, 0.2041

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2659, 0.2478, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3872, 0.1946, 0.2041 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(45, 157, 247)` looks like.

```
.text, #text, p{  
  color:rgb(45, 157, 247)  
}
```

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(45, 157, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 157, 247) }
```

Border

The CSS property to change the border of an element to Yxy 31.3872, 0.1946, 0.2041 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(45, 157, 247) }
```

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

```
.border{ border-color:rgb(45, 157, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 157, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 157, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 157, 247);  
box-shadow:4px 4px 4px 4px rgb(45, 157,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3872, 0.1946, 0.2041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 157, 247) }
```

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

```
.background{ background-color: rgb(45, 157,  
247) }
```

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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