

Converting Colors

$Y_{xy}(32.0825, 0.1893, 0.2014)$

Have a look what the booklet for
Yxy(32.0825, 0.1893, 0.2014)
contains.

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Color

Yxy(32.1699, 0.1895, 0.2023)

Conversions

Conversions Part 1

Format	Color
Hex	00A0FC
RGB	0, 160, 252
RGB Percent	0%, 63%, 99%
CMY	1.0000, 0.3725, 0.0118
CMYK	1.00, 0.37, 0.00, 0.01
HSL	202°, 100%, 49%
HSV	202°, 100%, 99%
XYZ	30.1344, 32.1699, 96.7164
YIQ	122.6480, -124.8920, -5.3080

Conversions

Conversions Part 2

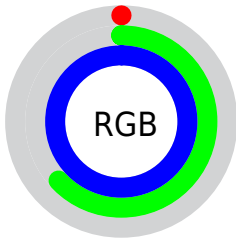
Format	Color
RYB	0, 98, 252
Decimal	41212
CIELab	63.48, -1.66, -55.21
CIELCh	63, 55.240, 268.279
Yxy	32.1699, 0.1895, 0.2023
Android (android.graphics.Color)	4278231292 (0xFF00A0FC)
YUV	122.6480, 63.7705, -107.5623
Hunter-Lab	56.7185, -4.4207, -61.3984

Details

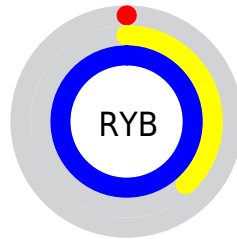
The Yxy color **32.1699, 0.1895, 0.2023** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.3473, 0.5826, 0.3756**, and the grayscale version is **19.5062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6926, 0.2309, 0.2785**, and **14.8774, 0.1826, 0.1773** is the 20% darker color. If you saturate the color by 10%, you get **32.1753, 0.1895, 0.2023**, and if you desaturate by 10%, it is **35.6932, 0.1950, 0.2161**.

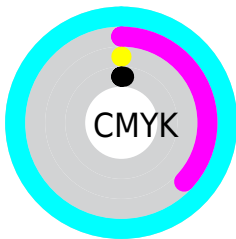
Distribution



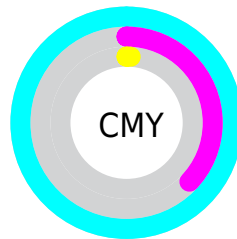
- Red (0%)
- Green (63%)
- Blue (99%)



- Red (0%)
- Yellow (38%)
- Blue (99%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (37%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1699, 0.1895, 0.2023 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 32.1699, 0.1895, 0.2023 by changing the saturation by 10% instead.


 32.1699, 0.1895,
0.2023


 32.1699, 0.1895,
0.2023


311.8925, 0.2501,
0.2650


 21.4913, 0.1754,
0.1876


 63.0773, 0.2109,
0.2245


 13.4836, 0.1581,
0.1696


 84.0750, 0.2191,
0.2330


 7.7624, 0.1366,
0.1472


 109.2811, 0.2262,
0.2403

 3.9433, 0.1100,
0.1192

 139.0801, 0.2323,
0.2466

 1.6419, 0.0774,
0.0847

 173.8563, 0.2376,
0.2521

 0.3856, 0.0318,
0.0376

213.9942, 0.2423,

 0.0000, 0.0000,

0.2569

0.0000

259.8781, 0.2464,
0.2612

■ 32.1699, 0.1895,
0.2023

■ 32.1699, 0.1895,
0.2023

■ 32.1753, 0.1895,
0.2023

■ 35.6932, 0.1950,
0.2161

■ 39.7218, 0.2023,
0.2302

■ 44.3490, 0.2118,
0.2445

■ 49.6296, 0.2232,
0.2586

■ 55.6105, 0.2363,
0.2724

■ 62.3330, 0.2507,
0.2855

■ 69.8345, 0.2659,
0.2979

■ 78.1494, 0.2815,
0.3092

■ 87.3096, 0.2972,
0.3196

Harmonies

Analogous

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



32.1699, 0.1669, 0.2291



32.1699, 0.1895, 0.2023



32.1699, 0.2422, 0.2043

Triad

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



32.1699, 0.1895, 0.2023



32.1699, 0.4731, 0.3342



32.1699, 0.2849, 0.4665

Complementary

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



32.1699, 0.1895, 0.2023



28.3473, 0.5826, 0.3756

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.



32.1699, 0.3669, 0.4899



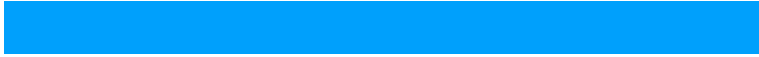
32.1699, 0.1895, 0.2023



32.1699, 0.4810, 0.3965

Square

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



32.1699, 0.1895, 0.2023



32.1699, 0.4114, 0.2765



32.1699, 0.4391, 0.4553



32.1699, 0.2149, 0.3830

Rectangle

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



32.1699, 0.1895, 0.2023



32.1699, 0.2933, 0.2194



32.1699, 0.4391, 0.4553



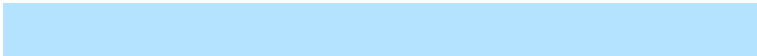
32.1699, 0.3120, 0.4823

Sweetspot

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



32.1753, 0.1895, 0.2023



71.7240, 0.2658, 0.2978



70.3291, 0.2862, 0.5502



14.6348, 0.2593, 0.2927



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.



32.1753, 0.1895, 0.2023



33.0325, 0.1895, 0.2022



8.4018, 0.1529, 0.0704



18.4808, 0.2980, 0.3201



17.0510, 0.1902, 0.2046



1.7810, 0.1948, 0.2211

Inverse Universe

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



23.2342, 0.4427, 0.2212



23.8658, 0.4428, 0.2213



68.8903, 0.4491, 0.4816



17.4108, 0.3194, 0.3140



12.1322, 0.4401, 0.2198



1.1440, 0.4220, 0.2098

Previews

White Background



This preview shows how the Yxy color 32.1699, 0.1895, 0.2023 looks on a white background.

Color Contrast Check

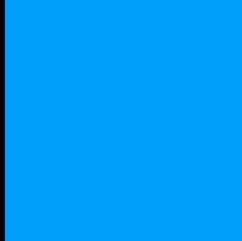
Large Text (above 18pt) WCAG AA × Fail

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 32.1699, 0.1895, 0.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

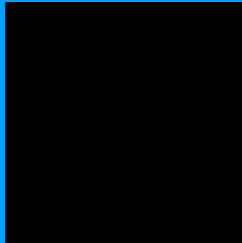
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

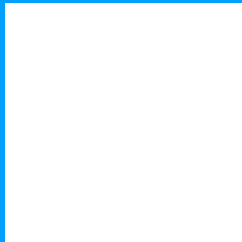
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1699, 0.1895, 0.2023

Background



This preview shows how black text looks on a background with the Yxy color 32.1699, 0.1895, 0.2023.

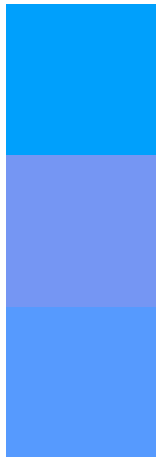


This preview shows how white text looks on a background with the Yxy color 32.1699, 0.1895, 0.2023.

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

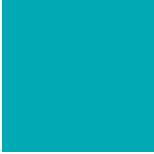
32.1699, 0.1895, 0.2023

Protanopia

32.0657, 0.2211, 0.2060

Deuteranopia

32.2454, 0.2032, 0.1969



Tritanopia

32.1268, 0.2190, 0.3083

Trichromacy



Original Color

32.1699, 0.1895, 0.2023

Protanomaly

31.2209, 0.2016, 0.2030

Deuteranomaly

31.6810, 0.1946, 0.1977

Tritanomaly

31.7774, 0.2066, 0.2636

Monochromacy



Original Color

32.1699, 0.1895, 0.2023

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.1303, 0.2324, 0.2679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1699, 0.1895, 0.2023 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(0, 160, 252)` looks like.

```
.text, #text, p{  
  color:rgb(0, 160, 252)  
}
```

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(0, 160, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 252) }
```

Border

The CSS property to change the border of an element to Yxy 32.1699, 0.1895, 0.2023 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(0, 160, 252) }
```

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

```
.border{ border-color:rgb(0, 160, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1699, 0.1895, 0.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 252) }
```

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

```
.background{ background-color: rgb(0, 160,  
252) }
```

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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