

Converting Colors

$Yxy(30.9832, 0.1923, 0.1926)$

Have a look what the booklet for
Yxy(30.9832, 0.1923, 0.1926)
contains.

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Color

Yxy(31.0350, 0.1924, 0.1928)

Conversions

Conversions Part 1

Format	Color
Hex	339AFF
RGB	51, 154, 255
RGB Percent	20%, 60%, 100%
CMY	0.7999, 0.3961, 0.0000
CMYK	0.80, 0.40, 0.00, 0.00
HSL	210°, 100%, 60%
HSV	210°, 80%, 100%
XYZ	30.9706, 31.0350, 98.9643
YIQ	134.7170, -93.8090, 9.5750

Conversions

Conversions Part 2

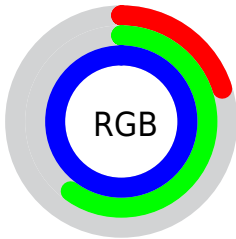
Format	Color
R _Y B	51, 119, 255
Decimal	3382015
CIE Lab	62.54, 5.54, -58.32
CIE LCh	63, 58.587, 275.429
Yxy	31.0350, 0.1924, 0.1928
Android (android.graphics.Color)	4281572095 (0xFF339AFF)
YUV	134.7170, 59.2995, -73.4198
Hunter-Lab	55.7091, 1.7435, -66.3293

Details

The Yxy color **31.0350, 0.1924, 0.1928** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **43.9607, 0.5013, 0.4153**, and the grayscale version is **23.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8438, 0.2360, 0.2717**, and **13.9778, 0.1793, 0.1655** is the 20% darker color. If you saturate the color by 10%, you get **26.5940, 0.1834, 0.1739**, and if you desaturate by 10%, it is **36.2789, 0.2038, 0.2123**.

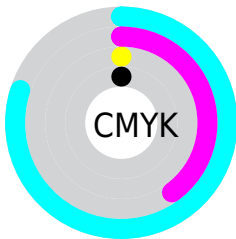
Distribution



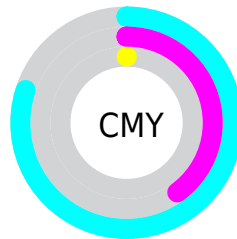
- Red (20%)
- Green (60%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (80%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0350, 0.1924, 0.1928 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 31.0350, 0.1924, 0.1928 by changing the saturation by 10% instead.


 31.0350, 0.1924,
0.1928


 31.0350, 0.1924,
0.1928


306.6995, 0.2521,
0.2593

 20.6255, 0.1784,
0.1775


 61.2952, 0.2135,
0.2161

 12.8505, 0.1612,
0.1589


 81.9146, 0.2217,
0.2251

 7.3257, 0.1399,
0.1361


 106.7062, 0.2286,
0.2329

 3.6666, 0.1133,
0.1080

 136.0543, 0.2346,
0.2396

 1.4889, 0.0807,
0.0744

170.3433, 0.2398,
0.2454

 0.2809, 0.0376,
0.0263

209.9575, 0.2444,

 0.0000, 0.0000,

0.2506

0.0000

255.2815, 0.2485,
0.2552

■ 31.0350, 0.1924,
0.1928

■ 31.0350, 0.1924,
0.1928

■ 26.5940, 0.1834,
0.1739

■ 36.2789, 0.2038,
0.2123

■ 22.8548, 0.1767,
0.1561

■ 42.3876, 0.2172,
0.2319

■ 22.8522, 0.1767,
0.1561

■ 49.4181, 0.2322,
0.2510

■ 57.4202, 0.2481,
0.2693

■ 66.4395, 0.2645,
0.2864

■ 76.5182, 0.2810,
0.3021

■ 87.6956, 0.2972,
0.3163

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



31.0350, 0.1614, 0.2125



31.0350, 0.1924, 0.1928



31.0350, 0.2553, 0.2016

Triad

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



31.0350, 0.1924, 0.1928



31.0350, 0.4920, 0.3485



31.0350, 0.2621, 0.4610

Complementary

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



31.0350, 0.1924, 0.1928



43.9607, 0.5013, 0.4153

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.



31.0350, 0.3482, 0.5031



31.0350, 0.1924, 0.1928



31.0350, 0.4851, 0.4143

Square

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



31.0350, 0.1924, 0.1928



31.0350, 0.4385, 0.2864



31.0350, 0.4296, 0.4750



31.0350, 0.1948, 0.3614

Rectangle

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



31.0350, 0.1924, 0.1928



31.0350, 0.3135, 0.2212



31.0350, 0.4296, 0.4750



31.0350, 0.2899, 0.4838

Sweetspot

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



31.0360, 0.1924, 0.1928



72.3501, 0.2744, 0.2959



74.4132, 0.2699, 0.4715



14.7238, 0.2685, 0.2903



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.



31.0360, 0.1924, 0.1928



24.2784, 0.1792, 0.1631



10.6017, 0.1635, 0.0835



18.8935, 0.2979, 0.3169



12.2401, 0.1775, 0.1590



1.4104, 0.1832, 0.1794

Inverse Universe

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



25.9623, 0.4499, 0.2421



23.1968, 0.4887, 0.2484



90.8685, 0.4158, 0.4938



18.1401, 0.3215, 0.3171



11.9636, 0.4944, 0.2497



1.1869, 0.4692, 0.2358

Previews

White Background



This preview shows how the Yxy color 31.0350, 0.1924, 0.1928 looks on a white background.

Color Contrast Check

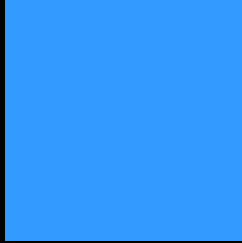
Large Text (above 18pt) WCAG AA × Fail

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 31.0350, 0.1924, 0.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

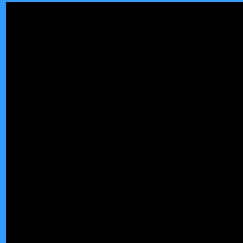
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

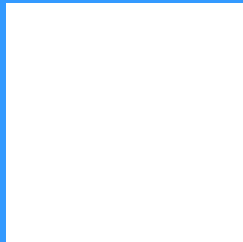
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.0350, 0.1924, 0.1928

Background



This preview shows how black text looks on a background with the Yxy color 31.0350, 0.1924, 0.1928.



This preview shows how white text looks on a background with the Yxy color 31.0350, 0.1924, 0.1928.

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

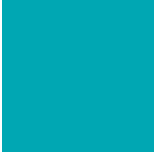
31.0350, 0.1924, 0.1928

Protanopia

30.8960, 0.2138, 0.1961

Deuteranopia

31.1323, 0.1980, 0.1920



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

31.0350, 0.1924, 0.1928

Protanomaly

30.8524, 0.2038, 0.1944

Deuteranomaly

31.1607, 0.1958, 0.1926

Tritanomaly

30.4841, 0.2062, 0.2571

Monochromacy



Original Color

31.0350, 0.1924, 0.1928

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.5437, 0.2465, 0.2678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0350, 0.1924, 0.1928 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(51, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 154, 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(51, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 31.0350, 0.1924, 0.1928 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(51, 154, 255) }
```

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

```
.border{ border-color:rgb(51, 154, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 154, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0350, 0.1924, 0.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 154, 255) }
```

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

```
.background{ background-color: rgb(51, 154,  
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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