

Converting Colors

$Y_{xy}(31.9671, 0.1981, 0.1956)$

Have a look what the booklet for
Yxy(31.9671, 0.1981, 0.1956)
contains.

Yxy(32.0023, 0.1980, 0.1958)	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(32.0023, 0.1980, 0.1958)

Conversions

Conversions Part 1

Format	Color
Hex	479BFF
RGB	71, 155, 255
RGB Percent	28%, 61%, 100%
CMY	0.7221, 0.3921, 0.0000
CMYK	0.72, 0.39, 0.00, 0.00
HSL	213°, 100%, 64%
HSV	213°, 72%, 100%
XYZ	32.3619, 32.0023, 99.0796
YIQ	141.2840, -82.1640, 13.2920

Conversions

Conversions Part 2

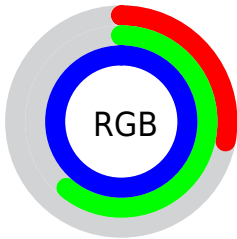
Format	Color
RYB	71, 129, 255
Decimal	4692991
CIELab	63.34, 7.14, -57.01
CIELCh	63, 57.452, 277.137
Yxy	32.0023, 0.1980, 0.1958
Android (android.graphics.Color)	4282883071 (0xFF479BFF)
YUV	141.2840, 56.0620, -61.6391
Hunter-Lab	56.5706, 3.1146, -64.2431

Details

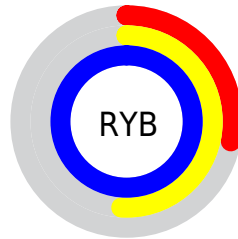
The Yxy color **32.0023, 0.1980, 0.1958** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **50.7808, 0.4725, 0.4217**, and the grayscale version is **26.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3964, 0.2423, 0.2739**, and **14.1804, 0.1798, 0.1673** is the 20% darker color. If you saturate the color by 10%, you get **26.8868, 0.1865, 0.1747**, and if you desaturate by 10%, it is **38.0520, 0.2117, 0.2173**.

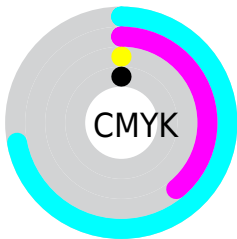
Distribution



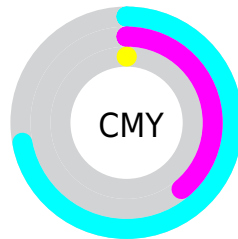
- Red (28%)
- Green (61%)
- Blue (100%)



- Red (28%)
- Yellow (51%)
- Blue (100%)



- Cyan (72%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0023, 0.1980, 0.1958 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 32.0023, 0.1980, 0.1958 by changing the saturation by 10% instead.


 32.0023, 0.1980,
0.1958


 32.0023, 0.1980,
0.1958


311.1297, 0.2550,
0.2606

 21.3633, 0.1846,
0.1809


 62.8147, 0.2182,
0.2185

 13.3898, 0.1680,
0.1628


 83.7568, 0.2260,
0.2273

 7.6975, 0.1474,
0.1404


 108.9021, 0.2326,
0.2348

 3.9020, 0.1214,
0.1128

 138.6350, 0.2383,
0.2414

 1.6189, 0.0890,
0.0794

173.3398, 0.2433,
0.2471

 0.3703, 0.0481,
0.0339

213.4009, 0.2477,

 0.0000, 0.0000,

0.2521

0.0000

259.2027, 0.2516,
0.2566

■ 32.0023, 0.1980,
0.1958

■ 32.0023, 0.1980,
0.1958

■ 26.8868, 0.1865,
0.1747

■ 38.0520, 0.2117,
0.2173

■ 22.6305, 0.1776,
0.1548

■ 45.0952, 0.2271,
0.2385

■ 19.8358, 0.1723,
0.1403

■ 53.1879, 0.2434,
0.2589

■ 62.3807, 0.2603,
0.2780

■ 72.7200, 0.2771,
0.2957

■ 84.2493, 0.2936,
0.3117

■ 97.0097, 0.3093,
0.3261

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.0023, 0.1658, 0.2136



32.0023, 0.1980, 0.1958



32.0023, 0.2613, 0.2058

Triad

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



32.0023, 0.1980, 0.1958



32.0023, 0.4882, 0.3523



32.0023, 0.2594, 0.4521

Complementary

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



32.0023, 0.1980, 0.1958



50.7808, 0.4725, 0.4217

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.



32.0023, 0.3431, 0.4975



32.0023, 0.1980, 0.1958



32.0023, 0.4788, 0.4167

Square

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



32.0023, 0.1980, 0.1958



32.0023, 0.4392, 0.2910



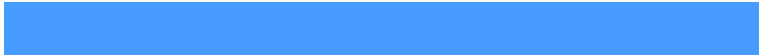
32.0023, 0.4232, 0.4743



32.0023, 0.1952, 0.3548

Rectangle

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



32.0023, 0.1980, 0.1958



32.0023, 0.3189, 0.2258



32.0023, 0.4232, 0.4743



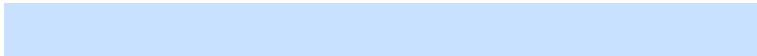
32.0023, 0.2863, 0.4754

Sweetspot

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



32.0032, 0.1980, 0.1958



72.9499, 0.2775, 0.2960



75.7217, 0.2661, 0.4428



14.9879, 0.2730, 0.2914



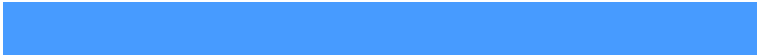
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.0032, 0.1980, 0.1958



24.7458, 0.1819, 0.1650



13.2871, 0.1762, 0.1002



18.7455, 0.2979, 0.3157



10.6548, 0.1732, 0.1433



1.2527, 0.1791, 0.1649

Inverse Universe

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



28.1164, 0.4436, 0.2525



24.0924, 0.4846, 0.2531



92.0876, 0.4044, 0.4906



18.1252, 0.3222, 0.3182



11.8036, 0.5147, 0.2609



1.1710, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 32.0023, 0.1980, 0.1958 looks on a white background.

Color Contrast Check

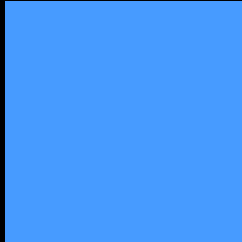
Large Text (above 18pt) WCAG AA × Fail

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 32.0023, 0.1980, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

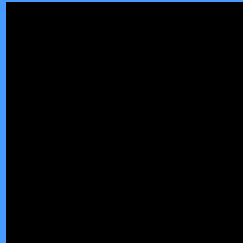
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

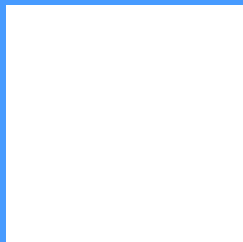
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.0023, 0.1980, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 32.0023, 0.1980, 0.1958.



This preview shows how white text looks on a background with the Yxy color 32.0023, 0.1980, 0.1958.

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

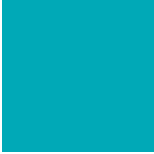
32.0023, 0.1980, 0.1958

Protanopia

31.7792, 0.2155, 0.1983

Deuteranopia

31.7963, 0.2011, 0.1942



Tritanopia

31.7948, 0.2180, 0.3049

Trichromacy



Original Color

32.0023, 0.1980, 0.1958

Protanomaly

31.6396, 0.2079, 0.1969

Deuteranomaly

31.9509, 0.2000, 0.1951

Tritanomaly

31.3740, 0.2073, 0.2579

Monochromacy



Original Color

32.0023, 0.1980, 0.1958

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.5800, 0.2539, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0023, 0.1980, 0.1958 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(71, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 155, 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(71, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 155, 255) }
```

Border

The CSS property to change the border of an element to Yxy 32.0023, 0.1980, 0.1958 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(71, 155, 255) }
```

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

```
.border{ border-color:rgb(71, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 155,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0023, 0.1980, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 155, 255) }
```

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

```
.background{ background-color: rgb(71, 155,  
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](#).

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