

Converting Colors

$Y_{xy}(32.4154, 0.1983, 0.2039)$

Have a look what the booklet for
Yxy(32.4154, 0.1983, 0.2039)
contains.

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Color

Yxy(32.4126, 0.1983, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	3F9EFA
RGB	63, 158, 250
RGB Percent	25%, 62%, 98%
CMY	0.7536, 0.3803, 0.0196
CMYK	0.75, 0.37, 0.00, 0.02
HSL	209°, 95%, 61%
HSV	209°, 75%, 98%
XYZ	31.5224, 32.4126, 95.0282
YIQ	140.0830, -86.1520, 8.4720

Conversions

Conversions Part 2

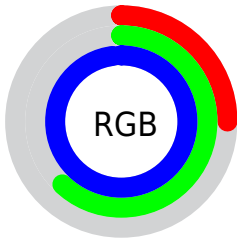
Format	Color
R _{YB}	63, 126, 250
Decimal	4169466
CIE Lab	63.68, 2.64, -53.75
CIE LCh	64, 53.811, 272.809
Yxy	32.4126, 0.1983, 0.2039
Android (android.graphics.Color)	4282359546 (0xFF3F9EFA)
YUV	140.0830, 54.1891, -67.6018
Hunter-Lab	56.9321, -0.7984, -59.1115

Details

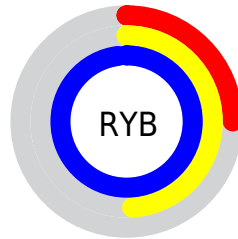
The Yxy color **32.4126, 0.1983, 0.2039** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **44.0582, 0.4883, 0.4137**, and the grayscale version is **26.0549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2935, 0.2397, 0.2772**, and **14.3656, 0.1822, 0.1759** is the 20% darker color. If you saturate the color by 10%, you get **27.7868, 0.1881, 0.1848**, and if you desaturate by 10%, it is **37.8324, 0.2107, 0.2234**.

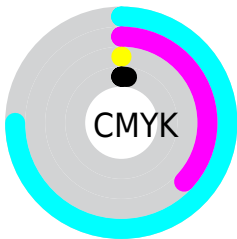
Distribution



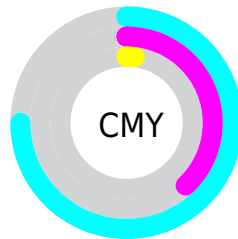
- Red (25%)
- Green (62%)
- Blue (98%)



- Red (25%)
- Yellow (49%)
- Blue (98%)



- Cyan (75%)
- Magenta (37%)
- Yellow (0%)
- Black (2%)





- Cyan (75%)
- Magenta (38%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4126, 0.1983, 0.2039 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 32.4126, 0.1983, 0.2039 by changing the saturation by 10% instead.


 32.4126, 0.1983,
0.2039


 32.4126, 0.1983,
0.2039


312.9945, 0.2551,
0.2655


 21.6768, 0.1849,
0.1895


 63.4574, 0.2185,
0.2257


 13.6196, 0.1684,
0.1718


 84.5351, 0.2262,
0.2341

 7.8566, 0.1476,
0.1497


 109.8291, 0.2328,
0.2412

 4.0033, 0.1215,
0.1220

 139.7235, 0.2385,
0.2474

 1.6754, 0.0887,
0.0878

174.6029, 0.2435,
0.2528

 0.4077, 0.0450,
0.0406

214.8516, 0.2478,

 0.0000, 0.0000,

0.2575

0.0000

260.8540, 0.2517,
0.2617

■ 32.4126, 0.1983,
0.2039

■ 32.4126, 0.1983,
0.2039

■ 27.7868, 0.1881,
0.1848

■ 37.8324, 0.2107,
0.2234

■ 23.8845, 0.1803,
0.1665

■ 44.0996, 0.2249,
0.2426

■ 22.1164, 0.1771,
0.1576

■ 51.2652, 0.2404,
0.2612

■ 59.3740, 0.2566,
0.2787

■ 68.4675, 0.2731,
0.2949

■ 78.5842, 0.2894,
0.3097

■ 89.7601, 0.3052,
0.3230

■ 99.6815, 0.3156,
0.3338

Harmonies

Analogous

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



32.4126, 0.1717, 0.2257



32.4126, 0.1983, 0.2039



32.4126, 0.2544, 0.2096

Triad

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



32.4126, 0.1983, 0.2039



32.4126, 0.4734, 0.3437



32.4126, 0.2744, 0.4528

Complementary

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



32.4126, 0.1983, 0.2039



44.0582, 0.4883, 0.4137

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.



32.4126, 0.3541, 0.4861



32.4126, 0.1983, 0.2039



32.4126, 0.4734, 0.4047

Square

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



32.4126, 0.1983, 0.2039



32.4126, 0.4203, 0.2859



32.4126, 0.4271, 0.4599



32.4126, 0.2095, 0.3672

Rectangle

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



32.4126, 0.1983, 0.2039



32.4126, 0.3066, 0.2266



32.4126, 0.4271, 0.4599



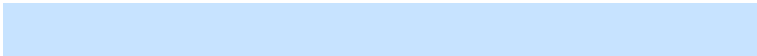
32.4126, 0.3004, 0.4714

Sweetspot

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



32.4136, 0.1983, 0.2039



74.5229, 0.2777, 0.2992



71.7260, 0.2699, 0.4609



15.3582, 0.2733, 0.2951



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.



32.4136, 0.1983, 0.2039



26.8444, 0.1837, 0.1751



11.8445, 0.1703, 0.0950



18.1025, 0.2980, 0.3170



12.0212, 0.1779, 0.1604



1.3256, 0.1838, 0.1817

Inverse Universe

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



26.3287, 0.4360, 0.2424



23.9364, 0.4731, 0.2436



87.1216, 0.4125, 0.4887



17.3726, 0.3214, 0.3170



11.6244, 0.4926, 0.2487



1.0980, 0.4665, 0.2343

Previews

White Background



This preview shows how the Yxy color 32.4126, 0.1983, 0.2039 looks on a white background.

Color Contrast Check

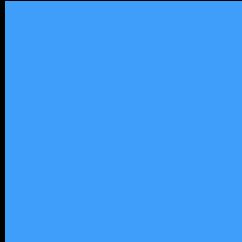
Large Text (above 18pt) WCAG AA × Fail

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 32.4126, 0.1983, 0.2039 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

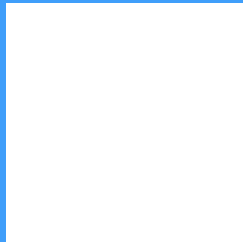
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.4126, 0.1983, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 32.4126, 0.1983, 0.2039.



This preview shows how white text looks on a background with the Yxy color 32.4126, 0.1983, 0.2039.

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

32.4126, 0.1983, 0.2039

Protanopia

32.1353, 0.2217, 0.2062

Deuteranopia

32.3515, 0.2067, 0.2003



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.4126, 0.1983, 0.2039

Protanomaly

32.0330, 0.2110, 0.2044

Deuteranomaly

32.1571, 0.2027, 0.2004

Tritanomaly

31.9596, 0.2086, 0.2640

Monochromacy



Original Color

32.4126, 0.1983, 0.2039

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.6075, 0.2532, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4126, 0.1983, 0.2039 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(63, 158, 250)` looks like.

```
.text, #text, p{  
    color:rgb(63, 158, 250)  
}
```

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(63, 158, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 158, 250) }
```

Border

The CSS property to change the border of an element to Yxy 32.4126, 0.1983, 0.2039 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(63, 158, 250) }
```

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

```
.border{ border-color:rgb(63, 158, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 158, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 158, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 158, 250);  
box-shadow:4px 4px 4px 4px rgb(63, 158,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4126, 0.1983, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 158, 250) }
```

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

```
.background{ background-color: rgb(63, 158,  
250) }
```

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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