

Converting Colors

$Y_{xy}(31.9165, 0.2306, 0.1988)$

Have a look what the booklet for
Yxy(31.9165, 0.2306, 0.1988)
contains.

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Color

Yxy(32.0036, 0.2311, 0.1994)

Conversions

Conversions Part 1

Format	Color
Hex	8A90F6
RGB	138, 144, 246
RGB Percent	54%, 56%, 96%
CMY	0.4587, 0.4353, 0.0353
CMYK	0.44, 0.41, 0.00, 0.04
HSL	237°, 86%, 75%
HSV	237°, 44%, 96%
XYZ	37.0914, 32.0036, 91.4045
YIQ	153.8340, -36.3180, 30.4500

Conversions

Conversions Part 2

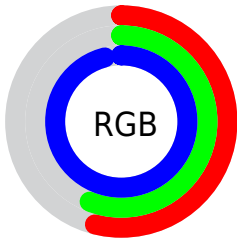
Format	Color
RYB	138, 144, 246
Decimal	9081078
CIELab	63.35, 23.38, -51.87
CIELCh	63, 56.889, 294.261
Yxy	32.0036, 0.2311, 0.1994
Android (android.graphics.Color)	4287271158 (0xFF8A90F6)
YUV	153.8340, 45.4378, -13.8864
Hunter-Lab	56.5717, 18.0336, -56.1962

Details

The Yxy color **32.0036, 0.2311, 0.1994** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.7647, 0.3805, 0.4321**, and the grayscale version is **32.0503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3439, 0.2733, 0.2659**, and **13.4289, 0.2076, 0.1681** is the 20% darker color. If you saturate the color by 10%, you get **23.8083, 0.2100, 0.1650**, and if you desaturate by 10%, it is **42.1252, 0.2521, 0.2333**.

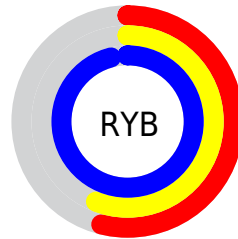
Distribution



Red (54%)

Green (56%)

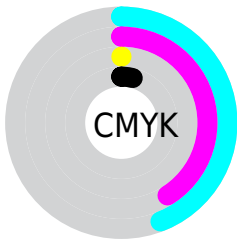
Blue (96%)



Red (54%)

Yellow (56%)

Blue (96%)

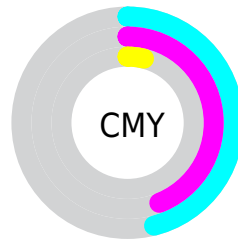


Cyan (44%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (46%)


Magenta (44%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0036, 0.2311, 0.1994 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 32.0036, 0.2311, 0.1994 by changing the saturation by 10% instead.


 32.0036, 0.2311,
0.1994


 32.0036, 0.2311,
0.1994


311.1357, 0.2733,
0.2616

 21.3642, 0.2206,
0.1852


 62.8167, 0.2465,
0.2211

 13.3905, 0.2073,
0.1678


 83.7593, 0.2523,
0.2295

 7.6980, 0.1900,
0.1462


108.9051, 0.2572,
0.2368

 3.9023, 0.1670,
0.1193

138.6384, 0.2613,
0.2431

 1.6191, 0.1360,
0.0860

173.3438, 0.2649,
0.2486

 0.3704, 0.0952,
0.0381

213.4055, 0.2681,

 0.0000, 0.0000,

0.2534

0.0000

259.2080, 0.2708,
0.2577

■ 32.0036, 0.2311,
0.1994

■ 32.0036, 0.2311,
0.1994

■ 23.8083, 0.2100,
0.1650

■ 42.1252, 0.2521,
0.2333

■ 17.4139, 0.1903,
0.1322

■ 54.2812, 0.2721,
0.2652

■ 12.6856, 0.1734,
0.1036

■ 68.5754, 0.2904,
0.2941

■ 9.4679, 0.1608,
0.0815

■ 85.1038, 0.3069,
0.3199

■ 7.5760, 0.1532,
0.0673

■ 99.4334, 0.3179,
0.3376

■ 6.9565, 0.1507,
0.0625

Harmonies

Analogous

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



32.0036, 0.1815, 0.2008



32.0036, 0.2311, 0.1994



32.0036, 0.3102, 0.2232

Triad

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



32.0036, 0.2311, 0.1994



32.0036, 0.4881, 0.3888



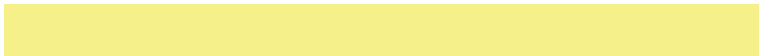
32.0036, 0.2200, 0.3983

Complementary

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



32.0036, 0.2311, 0.1994



83.7647, 0.3805, 0.4321

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.



32.0036, 0.2947, 0.4790



32.0036, 0.2311, 0.1994



32.0036, 0.4503, 0.4508

Square

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



32.0036, 0.2311, 0.1994



32.0036, 0.4725, 0.3255



32.0036, 0.3788, 0.4928



32.0036, 0.1744, 0.3005

Rectangle

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



32.0036, 0.2311, 0.1994



32.0036, 0.3724, 0.2510



32.0036, 0.3788, 0.4928



32.0036, 0.2424, 0.4304

Sweetspot

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



32.0047, 0.2311, 0.1994



75.8660, 0.2919, 0.2965



77.5329, 0.2566, 0.3373



15.4504, 0.2881, 0.2904



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.



32.0047, 0.2311, 0.1994



26.4627, 0.2117, 0.1677



35.1310, 0.2651, 0.2038



16.0735, 0.2979, 0.3059



3.7748, 0.1510, 0.0634



0.3825, 0.1533, 0.0719

Inverse Universe

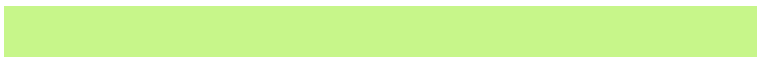
The Inverse Universe completely reimagines the original color for something new.



39.7913, 0.4230, 0.3229



36.1974, 0.4606, 0.3220



79.9137, 0.3449, 0.4507



16.4973, 0.3285, 0.3277



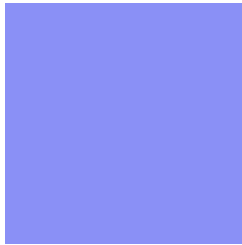
10.4804, 0.6343, 0.3268



0.9262, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 32.0036, 0.2311, 0.1994 looks on a white background.

Color Contrast Check

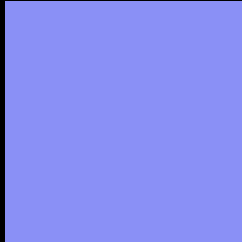
Large Text (above 18pt) WCAG AA × Fail

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 32.0036, 0.2311, 0.1994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

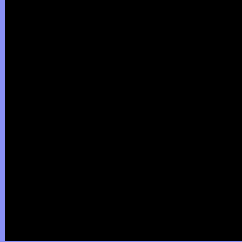
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0036, 0.2311, 0.1994

Background



This preview shows how black text looks on a background with the Yxy color 32.0036, 0.2311, 0.1994.



This preview shows how white text looks on a background with the Yxy color 32.0036, 0.2311, 0.1994.

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

32.0036, 0.2311, 0.1994

Protanopia

32.2225, 0.2149, 0.1978

Deuteranopia

32.0808, 0.2132, 0.2067



Tritanopia

32.0807, 0.2664, 0.3083

Trichromacy



Original Color

32.0036, 0.2311, 0.1994

Protanomaly

32.0843, 0.2201, 0.1985

Deuteranomaly

31.9827, 0.2186, 0.2036

Tritanomaly

31.7170, 0.2518, 0.2611

Monochromacy



Original Color

32.0036, 0.2311, 0.1994

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6964, 0.2785, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0036, 0.2311, 0.1994 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(138, 144, 246)` looks like.

```
.text, #text, p{  
    color:rgb(138, 144, 246)  
}
```

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(138, 144, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 144, 246) }
```

Border

The CSS property to change the border of an element to Yxy 32.0036, 0.2311, 0.1994 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(138, 144, 246) }
```

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

```
.border{ border-color:rgb(138, 144, 246) }
```

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

Here you see how a box with a 4 pixel rgb(138, 144, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 144, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 144, 246);  
box-shadow:4px 4px 4px 4px rgb(138, 144,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0036, 0.2311, 0.1994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 144, 246) }
```

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

```
.background{ background-color: rgb(138,  
144, 246) }
```

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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