

Converting Colors

$Y_{xy}(32.0914, 0.2590, 0.2431)$

Have a look what the booklet for
Yxy(32.0914, 0.2590, 0.2431)
contains.

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Color

Yxy(31.9940, 0.2587, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	9294D3
RGB	146, 148, 211
RGB Percent	57%, 58%, 83%
CMY	0.4275, 0.4196, 0.1725
CMYK	0.31, 0.30, 0.00, 0.17
HSL	238°, 43%, 70%
HSV	238°, 31%, 83%
XYZ	34.2019, 31.9940, 66.0108
YIQ	154.5840, -21.4150, 19.1690

Conversions

Conversions Part 2

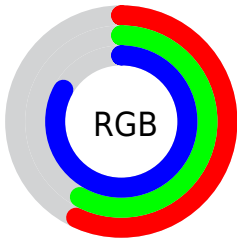
Format	Color
RYB	146, 148, 211
Decimal	9606355
CIELab	63.34, 13.66, -32.48
CIELCh	63, 35.238, 292.814
Yxy	31.9940, 0.2587, 0.2420
Android (android.graphics.Color)	4287796435 (0xFF9294D3)
YUV	154.5840, 27.8131, -7.5282
Hunter-Lab	56.5632, 8.9472, -29.5987

Details

The Yxy color **31.9940, 0.2587, 0.2420** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.5288, 0.3596, 0.4033**, and the grayscale version is **32.4676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8786, 0.2770, 0.2710**, and **13.2768, 0.2413, 0.2166** is the 20% darker color. If you saturate the color by 10%, you get **24.3783, 0.2379, 0.2082**, and if you desaturate by 10%, it is **41.1022, 0.2782, 0.2735**.

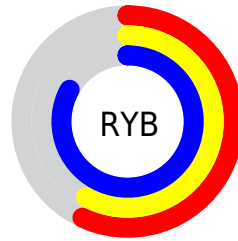
Distribution



Red (57%)

Green (58%)

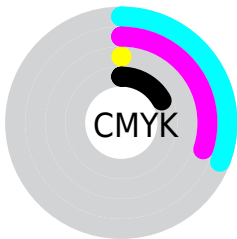
Blue (83%)



Red (57%)

Yellow (58%)

Blue (83%)

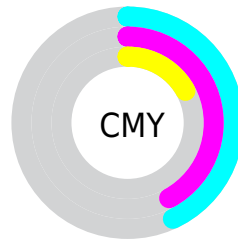


Cyan (31%)

Magenta (30%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (42%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9940, 0.2587, 0.2420 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 31.9940, 0.2587, 0.2420 by changing the saturation by 10% instead.

■ 31.9940, 0.2587,
0.2420

■ 31.9940, 0.2587,
0.2420

■ 311.0919, 0.2872,
0.2858

■ 21.3569, 0.2512,
0.2312

■ 62.8017, 0.2693,
0.2579

■ 13.3851, 0.2415,
0.2173

■ 83.7411, 0.2733,
0.2639

■ 7.6943, 0.2283,
0.1993

■ 108.8834, 0.2765,
0.2689

■ 3.9000, 0.2096,
0.1748

■ 138.6129, 0.2793,
0.2733

■ 1.6178, 0.1817,
0.1406

■ 173.3142, 0.2817,
0.2770

■ 0.3695, 0.1387,
0.0749

■ 213.3715, 0.2838,

■ 0.0000, 0.0000,

0.2803

0.0000

259.1693, 0.2856,
0.2832

■ 31.9940, 0.2587,
0.2420

■ 31.9940, 0.2587,
0.2420

■ 24.3783, 0.2379,
0.2082

■ 41.1022, 0.2782,
0.2735

■ 18.1721, 0.2167,
0.1733

■ 51.7726, 0.2958,
0.3020

■ 13.2900, 0.1962,
0.1396

■ 64.0751, 0.3115,
0.3271

■ 9.6358, 0.1782,
0.1095

■ 78.0740, 0.3253,
0.3490

■ 7.1003, 0.1641,
0.0855

■ 93.8304, 0.3372,
0.3679

■ 5.5550, 0.1549,
0.0694

■ 97.4839, 0.3388,
0.3720

■ 4.8457, 0.1505,
0.0616

Harmonies

Analogous

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



31.9940, 0.2246, 0.2457



31.9940, 0.2587, 0.2420



31.9940, 0.3100, 0.2574

Triad

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



31.9940, 0.2587, 0.2420



31.9940, 0.4242, 0.3723



31.9940, 0.2571, 0.3739

Complementary

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



31.9940, 0.2587, 0.2420



61.5288, 0.3596, 0.4033

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.



31.9940, 0.3075, 0.4183



31.9940, 0.2587, 0.2420



31.9940, 0.4053, 0.4104

Square

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



31.9940, 0.2587, 0.2420



31.9940, 0.4102, 0.3287



31.9940, 0.3619, 0.4303



31.9940, 0.2234, 0.3171

Rectangle

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



31.9940, 0.2587, 0.2420



31.9940, 0.3483, 0.2765



31.9940, 0.3619, 0.4303



31.9940, 0.2726, 0.3914

Sweetspot

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



31.9952, 0.2587, 0.2420



82.5264, 0.2987, 0.3065



57.3026, 0.2700, 0.3317



17.1018, 0.2963, 0.3026



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.



31.9952, 0.2587, 0.2420



41.1582, 0.2451, 0.2199



34.5284, 0.2843, 0.2453



11.4755, 0.2982, 0.3057



2.9514, 0.1506, 0.0621



0.1861, 0.1526, 0.0692

Inverse Universe

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



36.5446, 0.3798, 0.3267



49.2924, 0.4009, 0.3262



58.4556, 0.3345, 0.4120



11.8141, 0.3286, 0.3283



8.3692, 0.6364, 0.3280



0.4701, 0.6246, 0.3215

Previews

White Background



This preview shows how the Yxy color 31.9940, 0.2587, 0.2420 looks on a white background.

Color Contrast Check

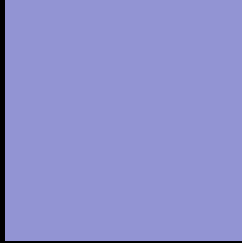
Large Text (above 18pt) WCAG AA × Fail

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 31.9940, 0.2587, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

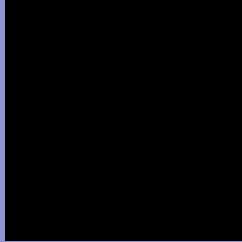
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9940, 0.2587, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 31.9940, 0.2587, 0.2420.



This preview shows how white text looks on a background with the Yxy color 31.9940, 0.2587, 0.2420.

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

31.9940, 0.2587, 0.2420

Protanopia

32.0056, 0.2487, 0.2419

Deuteranopia

31.9373, 0.2514, 0.2456



Tritanopia

31.9599, 0.2838, 0.3088

Trichromacy



Original Color

31.9940, 0.2587, 0.2420

Protanomaly

31.9694, 0.2522, 0.2423

Deuteranomaly

31.9548, 0.2542, 0.2448

Tritanomaly

31.8186, 0.2742, 0.2827

Monochromacy



Original Color

31.9940, 0.2587, 0.2420

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2270, 0.2922, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9940, 0.2587, 0.2420 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(146, 148, 211)` looks like.

```
.text, #text, p{  
    color:rgb(146, 148, 211)  
}
```

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(146, 148, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 148, 211) }
```

Border

The CSS property to change the border of an element to Yxy 31.9940, 0.2587, 0.2420 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(146, 148, 211) }
```

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

```
.border{ border-color:rgb(146, 148, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 148, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 148, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 148, 211);  
box-shadow:4px 4px 4px 4px rgb(146, 148,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9940, 0.2587, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 148, 211) }
```

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

```
.background{ background-color: rgb(146,  
148, 211) }
```

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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