

Converting Colors

$Y_{xy}(31.1302, 0.2507, 0.2164)$

Have a look what the booklet for
Yxy(31.1302, 0.2507, 0.2164)
contains.

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Color

Yxy(31.1751, 0.2509, 0.2163)

Conversions

Conversions Part 1

Format	Color
Hex	978DE3
RGB	151, 141, 227
RGB Percent	59%, 55%, 89%
CMY	0.4076, 0.4471, 0.1098
CMYK	0.33, 0.38, 0.00, 0.11
HSL	247°, 61%, 72%
HSV	247°, 38%, 89%
XYZ	36.1620, 31.1751, 76.7919
YIQ	153.7940, -21.6460, 28.8660

Conversions

Conversions Part 2

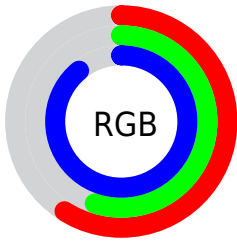
Format	Color
RYB	151, 141, 227
Decimal	9932259
CIELab	62.66, 23.27, -42.41
CIELCh	63, 48.379, 298.756
Yxy	31.1751, 0.2509, 0.2163
Android (android.graphics.Color)	4288122339 (0xFF978DE3)
YUV	153.7940, 36.0906, -2.4503
Hunter-Lab	55.8347, 17.8969, -42.4599

Details

The Yxy color **31.1751, 0.2509, 0.2163** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **71.6075, 0.3617, 0.4255**, and the grayscale version is **32.0699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5156, 0.2806, 0.2638**, and **12.9638, 0.2316, 0.1874** is the 20% darker color. If you saturate the color by 10%, you get **23.3967, 0.2310, 0.1817**, and if you desaturate by 10%, it is **40.6536, 0.2697, 0.2498**.

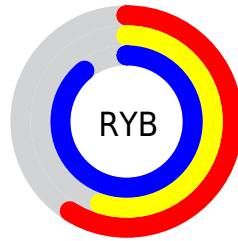
Distribution



Red (59%)

Green (55%)

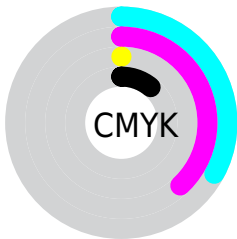
Blue (89%)



Red (59%)

Yellow (55%)

Blue (89%)

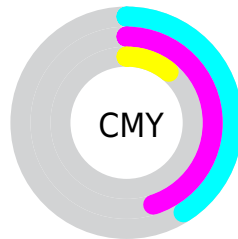


Cyan (33%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (41%)


Magenta (45%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1751, 0.2509, 0.2163 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 31.1751, 0.2509, 0.2163 by changing the saturation by 10% instead.


 31.1751, 0.2509,
0.2163


 31.1751, 0.2509,
0.2163


307.3442, 0.2837,
0.2715

 20.7322, 0.2424,
0.2032


 61.5156, 0.2631,
0.2359

 12.9284, 0.2313,
0.1869


 82.1821, 0.2676,
0.2434

 7.3793, 0.2165,
0.1661


 107.0252, 0.2714,
0.2499

 3.7004, 0.1960,
0.1393

136.4293, 0.2746,
0.2554

 1.5074, 0.1665,
0.1043

170.7789, 0.2773,
0.2602

 0.2939, 0.1249,
0.0433

210.4583, 0.2797,

 0.0000, 0.0000,

0.2644

0.0000

255.8519, 0.2818,
0.2682

■ 31.1751, 0.2509,
0.2163

■ 31.1751, 0.2509,
0.2163

■ 23.3967, 0.2310,
0.1817

■ 40.6536, 0.2697,
0.2498

■ 17.2142, 0.2109,
0.1478

■ 51.9214, 0.2869,
0.2809

■ 12.5169, 0.1919,
0.1169

■ 65.0653, 0.3021,
0.3090

■ 9.1789, 0.1755,
0.0915

■ 80.1658, 0.3154,
0.3340

■ 7.0527, 0.1630,
0.0735

■ 97.2984, 0.3268,
0.3559

■ 5.9388, 0.1549,
0.0635

■ 98.3267, 0.3292,
0.3562

■ 5.7743, 0.1536,
0.0620

Harmonies

Analogous

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



31.1751, 0.2021, 0.2146



31.1751, 0.2509, 0.2163



31.1751, 0.3231, 0.2407

Triad

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



31.1751, 0.2509, 0.2163



31.1751, 0.4630, 0.3932



31.1751, 0.2249, 0.3756

Complementary

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



31.1751, 0.2509, 0.2163



71.6075, 0.3617, 0.4255

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.



31.1751, 0.2881, 0.4479



31.1751, 0.2509, 0.2163



31.1751, 0.4265, 0.4446

Square

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



31.1751, 0.2509, 0.2163



31.1751, 0.4554, 0.3364



31.1751, 0.3620, 0.4714



31.1751, 0.1879, 0.2952

Rectangle

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



31.1751, 0.2509, 0.2163



31.1751, 0.3765, 0.2674



31.1751, 0.3620, 0.4714



31.1751, 0.2436, 0.4030

Sweetspot

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



31.1763, 0.2509, 0.2163



78.9931, 0.2975, 0.3004



60.8202, 0.2582, 0.3163



16.3998, 0.2954, 0.2966



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.



31.1763, 0.2509, 0.2163



32.8898, 0.2362, 0.1907



36.0645, 0.2872, 0.2269



13.9676, 0.2998, 0.3048



3.3930, 0.1543, 0.0624



0.2776, 0.1640, 0.0677

Inverse Universe

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



40.3829, 0.3262, 0.2452



46.4732, 0.3295, 0.2298



65.8607, 0.3296, 0.4365



14.5846, 0.3156, 0.3085



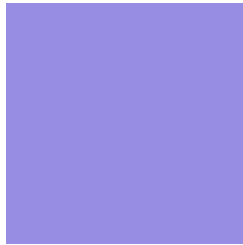
11.9784, 0.3528, 0.1717



0.8934, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 31.1751, 0.2509, 0.2163 looks on a white background.

Color Contrast Check

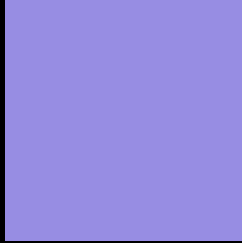
Large Text (above 18pt) WCAG AA × Fail

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 31.1751, 0.2509, 0.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

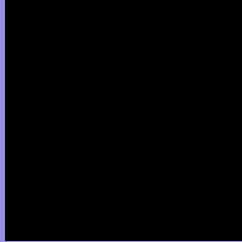
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1751, 0.2509, 0.2163

Background



This preview shows how black text looks on a background with the Yxy color 31.1751, 0.2509, 0.2163.



This preview shows how white text looks on a background with the Yxy color 31.1751, 0.2509, 0.2163.

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

31.1751, 0.2509, 0.2163

Protanopia

31.5004, 0.2276, 0.2141

Deuteranopia

31.4914, 0.2315, 0.2260



Tritanopia

31.2676, 0.2870, 0.3103

Trichromacy



Original Color

31.1751, 0.2509, 0.2163

Protanomaly

31.2328, 0.2355, 0.2150

Deuteranomaly

31.1837, 0.2379, 0.2213

Tritanomaly

30.9654, 0.2732, 0.2716

Monochromacy



Original Color

31.1751, 0.2509, 0.2163

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6034, 0.2879, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1751, 0.2509, 0.2163 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(151, 141, 227)` looks like.

```
.text, #text, p{  
    color:rgb(151, 141, 227)  
}
```

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(151, 141, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 141, 227) }
```

Border

The CSS property to change the border of an element to Yxy 31.1751, 0.2509, 0.2163 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(151, 141, 227) }
```

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

```
.border{ border-color:rgb(151, 141, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 141, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 141, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 141, 227); box-shadow:4px 4px 4px 4px rgb(151, 141, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1751, 0.2509, 0.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 141, 227) }
```

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

```
.background{ background-color: rgb(151,  
141, 227) }
```

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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