

Converting Colors

$Y_{xy}(31.0718, 0.2527, 0.2221)$

Have a look what the booklet for
Yxy(31.0718, 0.2527, 0.2221)
contains.

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Color

Yxy(31.0095, 0.2527, 0.2223)

Conversions

Conversions Part 1

Format	Color
Hex	958EDE
RGB	149, 142, 222
RGB Percent	58%, 56%, 87%
CMY	0.4157, 0.4431, 0.1294
CMYK	0.33, 0.36, 0.00, 0.13
HSL	245°, 55%, 71%
HSV	245°, 36%, 87%
XYZ	35.2501, 31.0095, 73.2343
YIQ	153.2130, -21.5080, 26.3640

Conversions

Conversions Part 2

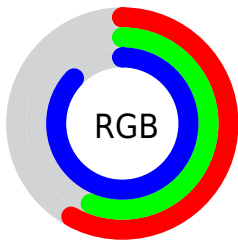
Format	Color
RYB	149, 142, 222
Decimal	9801438
CIELab	62.52, 20.80, -39.86
CIELCh	63, 44.963, 297.561
Yxy	31.0095, 0.2527, 0.2223
Android (android.graphics.Color)	4287991518 (0xFF958EDE)
YUV	153.2130, 33.9120, -3.6948
Hunter-Lab	55.6862, 15.5422, -38.9935

Details

The Yxy color **31.0095, 0.2527, 0.2223** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.6459, 0.3613, 0.4201**, and the grayscale version is **31.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6790, 0.2793, 0.2647**, and **12.8404, 0.2337, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **23.3063, 0.2325, 0.1875**, and if you desaturate by 10%, it is **40.3621, 0.2718, 0.2556**.

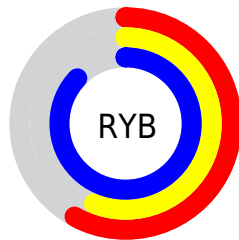
Distribution



Red (58%)

Green (56%)

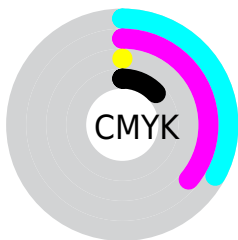
Blue (87%)



Red (58%)

Yellow (56%)

Blue (87%)

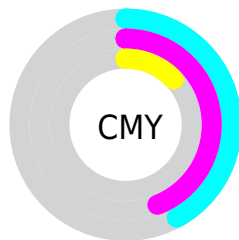


Cyan (33%)

Magenta (36%)

Yellow (0%)

Black (13%)



Cyan (42%)


Magenta (44%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0095, 0.2527, 0.2223 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 31.0095, 0.2527, 0.2223 by changing the saturation by 10% instead.

 31.0095, 0.2527,
0.2223


 31.0095, 0.2527,
0.2223


306.5821, 0.2845,
0.2750

 20.6061, 0.2444,
0.2096


 61.2550, 0.2646,
0.2412

 12.8364, 0.2336,
0.1937

 81.8659, 0.2690,
0.2484

 7.3160, 0.2190,
0.1734

 106.6481, 0.2726,
0.2545

 3.6605, 0.1987,
0.1467

135.9860, 0.2757,
0.2597

 1.4855, 0.1691,
0.1113

170.2639, 0.2784,
0.2643

 0.2785, 0.1270,
0.0458

209.8663, 0.2807,

 0.0000, 0.0000,

0.2683

0.0000

255.1776, 0.2827,
0.2719

■ 31.0095, 0.2527,
0.2223

■ 31.0095, 0.2527,
0.2223

■ 23.3063, 0.2325,
0.1875

■ 40.3621, 0.2718,
0.2556

■ 17.1533, 0.2120,
0.1531

■ 51.4484, 0.2891,
0.2863

■ 12.4460, 0.1925,
0.1212

■ 64.3515, 0.3044,
0.3139

■ 9.0658, 0.1757,
0.0946

■ 79.1477, 0.3178,
0.3383

■ 6.8748, 0.1628,
0.0752

■ 95.9093, 0.3293,
0.3596

■ 5.7038, 0.1545,
0.0641

■ 98.0539, 0.3321,
0.3611

■ 5.4162, 0.1524,
0.0613

Harmonies

Analogous

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



31.0095, 0.2073, 0.2219



31.0095, 0.2527, 0.2223



31.0095, 0.3198, 0.2446

Triad

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



31.0095, 0.2527, 0.2223



31.0095, 0.4539, 0.3884



31.0095, 0.2328, 0.3755

Complementary

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



31.0095, 0.2527, 0.2223



68.6459, 0.3613, 0.4201

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.



31.0095, 0.2931, 0.4406



31.0095, 0.2527, 0.2223



31.0095, 0.4219, 0.4364

Square

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



31.0095, 0.2527, 0.2223



31.0095, 0.4443, 0.3347



31.0095, 0.3624, 0.4612



31.0095, 0.1963, 0.3008

Rectangle

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



31.0095, 0.2527, 0.2223



31.0095, 0.3694, 0.2695



31.0095, 0.3624, 0.4612



31.0095, 0.2508, 0.4003

Sweetspot

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



31.0107, 0.2527, 0.2223



78.8543, 0.2969, 0.3004



59.7966, 0.2611, 0.3204



16.3671, 0.2948, 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.



31.0107, 0.2527, 0.2223



34.5384, 0.2380, 0.1970



35.3989, 0.2864, 0.2317



13.3002, 0.2994, 0.3048



3.2372, 0.1530, 0.0616



0.2444, 0.1610, 0.0660

Inverse Universe

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



39.7852, 0.3232, 0.2470



48.2369, 0.3257, 0.2312



63.3490, 0.3309, 0.4299



13.9139, 0.3151, 0.3079



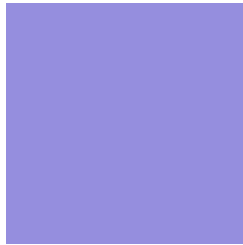
11.7833, 0.3441, 0.1669



0.8229, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 31.0095, 0.2527, 0.2223 looks on a white background.

Color Contrast Check

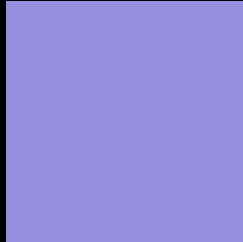
Large Text (above 18pt) WCAG AA × Fail

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 31.0095, 0.2527, 0.2223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

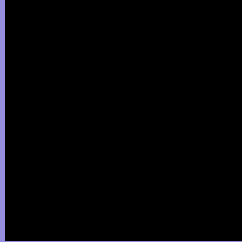
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0095, 0.2527, 0.2223

Background



This preview shows how black text looks on a background with the Yxy color 31.0095, 0.2527, 0.2223.



This preview shows how white text looks on a background with the Yxy color 31.0095, 0.2527, 0.2223.

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

31.0095, 0.2527, 0.2223

Protanopia

31.0109, 0.2329, 0.2204

Deuteranopia

31.1176, 0.2359, 0.2305



Tritanopia

31.1827, 0.2861, 0.3102

Trichromacy



Original Color

31.0095, 0.2527, 0.2223

Protanomaly

30.9806, 0.2396, 0.2213

Deuteranomaly

30.9934, 0.2415, 0.2268

Tritanomaly

31.0206, 0.2731, 0.2755

Monochromacy



Original Color

31.0095, 0.2527, 0.2223

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.3846, 0.2895, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0095, 0.2527, 0.2223 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(149, 142, 222)` looks like.

```
.text, #text, p{  
    color:rgb(149, 142, 222)  
}
```

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(149, 142, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 142, 222) }
```

Border

The CSS property to change the border of an element to Yxy 31.0095, 0.2527, 0.2223 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(149, 142, 222) }
```

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

```
.border{ border-color:rgb(149, 142, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 142, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 142, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 142, 222);  
box-shadow:4px 4px 4px 4px rgb(149, 142,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0095, 0.2527, 0.2223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 142, 222) }
```

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

```
.background{ background-color: rgb(149,  
142, 222) }
```

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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