

Converting Colors

$Y_{xy}(31.7793, 0.2703, 0.2238)$

Have a look what the booklet for
Yxy(31.7793, 0.2703, 0.2238)
contains.

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Color

Yxy(31.7793, 0.2703, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	A98ADC
RGB	169, 138, 220
RGB Percent	66%, 54%, 86%
CMY	0.3370, 0.4589, 0.1372
CMYK	0.23, 0.37, 0.00, 0.14
HSL	263°, 54%, 70%
HSV	263°, 37%, 86%
XYZ	38.3822, 31.7793, 71.8371
YIQ	156.6170, -7.8460, 32.0740

Conversions

Conversions Part 2

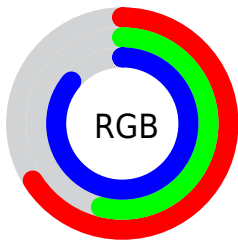
Format	Color
RYB	169, 138, 220
Decimal	11111132
CIELab	63.16, 28.37, -37.63
CIElCh	63, 47.122, 307.011
Yxy	31.7793, 0.2703, 0.2238
Android (android.graphics.Color)	4289301212 (0xFFA98ADC)
YUV	156.6170, 31.2478, 10.8599
Hunter-Lab	56.3731, 22.8806, -36.0929

Details

The Yxy color **31.7793, 0.2703, 0.2238** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.8424, 0.3441, 0.4295**, and the grayscale version is **33.3992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9268, 0.2933, 0.2630**, and **13.3409, 0.2554, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **24.6615, 0.2556, 0.1924**, and if you desaturate by 10%, it is **40.3363, 0.2837, 0.2546**.

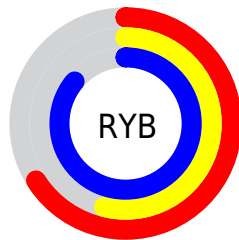
Distribution



Red (66%)

Green (54%)

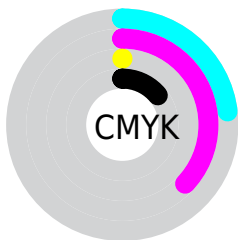
Blue (86%)



Red (66%)

Yellow (54%)

Blue (86%)

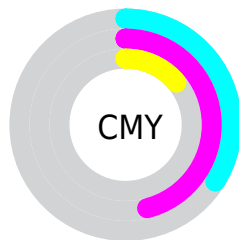


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (14%)



Cyan (34%)


Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7793, 0.2703, 0.2238 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 31.7793, 0.2703, 0.2238 by changing the saturation by 10% instead.


 31.7793, 0.2703,
0.2238


 31.7793, 0.2703,
0.2238


310.1127, 0.2934,
0.2753

 21.1930, 0.2641,
0.2115


 62.4649, 0.2791,
0.2421

 13.2651, 0.2559,
0.1962


 83.3331, 0.2822,
0.2491

 7.6114, 0.2446,
0.1766


 108.3972, 0.2849,
0.2551

 3.8473, 0.2286,
0.1509

138.0418, 0.2871,
0.2602

 1.5885, 0.2042,
0.1167

172.6513, 0.2890,
0.2647

 0.3498, 0.1678,
0.0565

212.6100, 0.2907,

 0.0000, 0.0000,

0.2687

0.0000

258.3023, 0.2921,
0.2722

■ 31.7793, 0.2703,
0.2238

■ 31.7793, 0.2703,
0.2238

■ 24.6615, 0.2556,
0.1924

■ 40.3363, 0.2837,
0.2546

■ 18.8965, 0.2400,
0.1617

■ 50.4044, 0.2957,
0.2838

■ 14.3943, 0.2241,
0.1336

■ 62.0553, 0.3061,
0.3108

■ 11.0521, 0.2088,
0.1096

■ 75.3549, 0.3150,
0.3354

■ 8.7498, 0.1948,
0.0913

■ 90.3652, 0.3226,
0.3575

■ 7.3285, 0.1830,
0.0792

■ 97.2072, 0.3308,
0.3634

■ 7.0254, 0.1801,
0.0766

■ 97.9486, 0.3333,
0.3631

Harmonies

Analogous

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



31.7793, 0.2156, 0.2158



31.7793, 0.2703, 0.2238



31.7793, 0.3444, 0.2530

Triad

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



31.7793, 0.2703, 0.2238



31.7793, 0.4526, 0.4068



31.7793, 0.2148, 0.3517

Complementary

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



31.7793, 0.2703, 0.2238



63.8424, 0.3441, 0.4295

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.



31.7793, 0.2704, 0.4279



31.7793, 0.2703, 0.2238



31.7793, 0.4082, 0.4520

Square

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



31.7793, 0.2703, 0.2238



31.7793, 0.4577, 0.3518



31.7793, 0.3413, 0.4659



31.7793, 0.1866, 0.2787

Rectangle

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



31.7793, 0.2703, 0.2238



31.7793, 0.3946, 0.2818



31.7793, 0.3413, 0.4659



31.7793, 0.2307, 0.3788

Sweetspot

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



31.7806, 0.2703, 0.2238



80.2356, 0.3023, 0.3008



47.3697, 0.2551, 0.2891



16.6942, 0.3009, 0.2972



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.



31.7806, 0.2703, 0.2238



36.2077, 0.2585, 0.1984



36.9052, 0.3068, 0.2343



12.8564, 0.3040, 0.3052



4.1812, 0.1816, 0.0774



0.3193, 0.2001, 0.0876

Inverse Universe

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



37.0594, 0.3473, 0.2694



44.8180, 0.3578, 0.2567



59.4144, 0.3147, 0.4393



13.1868, 0.3195, 0.3146



10.0058, 0.4448, 0.2224



0.6648, 0.4193, 0.2083

Previews

White Background



This preview shows how the Yxy color 31.7793, 0.2703, 0.2238 looks on a white background.

Color Contrast Check

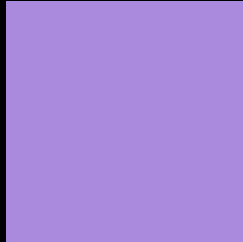
Large Text (above 18pt) WCAG AA × Fail

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 31.7793, 0.2703, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

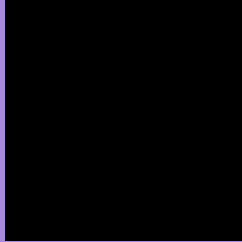
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7793, 0.2703, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 31.7793, 0.2703, 0.2238.



This preview shows how white text looks on a background with the Yxy color 31.7793, 0.2703, 0.2238.

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

31.7793, 0.2703, 0.2238

Protanopia

31.8858, 0.2324, 0.2202

Deuteranopia

31.8101, 0.2427, 0.2365



Tritanopia

31.7923, 0.3105, 0.3112

Trichromacy



Original Color

31.7793, 0.2703, 0.2238

Protanomaly

31.7115, 0.2448, 0.2219

Deuteranomaly

31.5490, 0.2521, 0.2310

Tritanomaly

31.7632, 0.2955, 0.2766

Monochromacy



Original Color

31.7793, 0.2703, 0.2238

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.6850, 0.2963, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7793, 0.2703, 0.2238 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(169, 138, 220)` looks like.

```
.text, #text, p{  
    color:rgb(169, 138, 220)  
}
```

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(169, 138, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 138, 220) }
```

Border

The CSS property to change the border of an element to Yxy 31.7793, 0.2703, 0.2238 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(169, 138, 220) }
```

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

```
.border{ border-color:rgb(169, 138, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 138, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 138, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 138, 220);  
box-shadow:4px 4px 4px 4px rgb(169, 138,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7793, 0.2703, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 138, 220) }
```

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

```
.background{ background-color: rgb(169,  
138, 220) }
```

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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