

Converting Colors

$Y_{xy}(21.1906, 0.2740, 0.1980)$

Have a look what the booklet for
Yxy(21.1906, 0.2740, 0.1980)
contains.

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Color

Yxy(21.0931, 0.2737, 0.1973)

Conversions

Conversions Part 1

Format	Color
Hex	9E67C7
RGB	158, 103, 199
RGB Percent	62%, 40%, 78%
CMY	0.3803, 0.5961, 0.2197
CMYK	0.21, 0.48, 0.00, 0.22
HSL	274°, 46%, 59%
HSV	274°, 48%, 78%
XYZ	29.2609, 21.0931, 56.5547
YIQ	130.3890, 1.9640, 41.5160

Conversions

Conversions Part 2

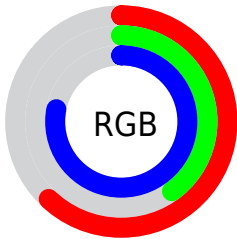
Format	Color
RYB	158, 103, 199
Decimal	10381255
CIELab	53.05, 39.98, -41.71
CIElCh	53, 57.779, 313.783
Yxy	21.0931, 0.2737, 0.1973
Android (android.graphics.Color)	4288571335 (0xFF9E67C7)
YUV	130.3890, 33.8252, 24.2148
Hunter-Lab	45.9272, 33.3524, -40.8606

Details

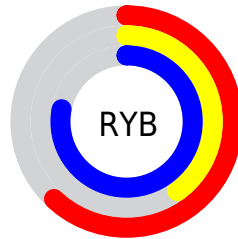
The Yxy color **21.0931, 0.2737, 0.1973** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.7472, 0.3358, 0.4665**, and the grayscale version is **22.3461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9588, 0.2837, 0.2218**, and **7.5336, 0.2560, 0.1595** is the 20% darker color. If you saturate the color by 10%, you get **16.7637, 0.2628, 0.1701**, and if you desaturate by 10%, it is **26.4256, 0.2838, 0.2258**.

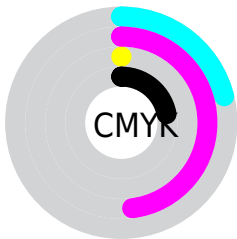
Distribution



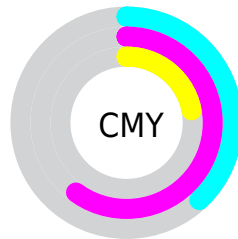
- Red (62%)
- Green (40%)
- Blue (78%)



- Red (62%)
- Yellow (40%)
- Blue (78%)



- Cyan (21%)
- Magenta (48%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0931, 0.2737, 0.1973 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 21.0931, 0.2737, 0.1973 by changing the saturation by 10% instead.


 21.0931, 0.2737,
0.1973


 21.0931, 0.2737,
0.1973


257.7729, 0.2971,
0.2637


 13.1921, 0.2666,
0.1811


 45.2424, 0.2831,
0.2213


 7.5609, 0.2568,
0.1607


 62.2595, 0.2864,
0.2304

 3.8153, 0.2425,
0.1347


 83.0841, 0.2891,
0.2381

 1.5708, 0.2208,
0.1012

 108.1005, 0.2913,
0.2447

 0.3378, 0.1880,
0.0459

137.6932, 0.2931,
0.2504

 0.0000, 0.0872,
0.0000

172.2466, 0.2946,

 0.0000, 0.0000,

0.2554

0.0000

212.1450, 0.2960,
0.2598

■ 21.0931, 0.2737,
0.1973

■ 21.0931, 0.2737,
0.1973

■ 16.7637, 0.2628,
0.1701

■ 26.4256, 0.2838,
0.2258

■ 13.3658, 0.2514,
0.1455

■ 32.8209, 0.2929,
0.2545

■ 10.8219, 0.2399,
0.1249


■ 40.3372, 0.3009,
0.2823


■ 9.0405, 0.2289,
0.1092


■ 49.0274, 0.3078,
0.3087

■ 7.8816, 0.2186,
0.0985


■ 58.9412, 0.3137,
0.3332

 7.7044, 0.2169,
0.0968

 70.1251, 0.3186,
0.3556

 82.6234, 0.3226,
0.3760

 91.8057, 0.3268,
0.3875

 93.2126, 0.3324,
0.3865

Harmonies

Analogous

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



21.0931, 0.1959, 0.1800



21.0931, 0.2737, 0.1973



21.0931, 0.3796, 0.2391

Triad

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



21.0931, 0.2737, 0.1973



21.0931, 0.4885, 0.4387



21.0931, 0.1682, 0.3312

Complementary

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



21.0931, 0.2737, 0.1973



47.7472, 0.3358, 0.4665

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.



21.0931, 0.2311, 0.4514



21.0931, 0.2737, 0.1973



21.0931, 0.4153, 0.5037

Square

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



21.0931, 0.2737, 0.1973



21.0931, 0.5164, 0.3666



21.0931, 0.3220, 0.5222



21.0931, 0.1439, 0.2381

Rectangle

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



21.0931, 0.2737, 0.1973



21.0931, 0.4486, 0.2775



21.0931, 0.3220, 0.5222



21.0931, 0.1849, 0.3711

Sweetspot

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



21.0939, 0.2737, 0.1973



76.5235, 0.3038, 0.2932



27.1332, 0.2339, 0.2445



15.6864, 0.3023, 0.2873



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.



21.0939, 0.2737, 0.1973



28.9465, 0.2621, 0.1685



25.6724, 0.3251, 0.2198



10.5825, 0.3071, 0.3058



5.0072, 0.2182, 0.0976



0.2792, 0.2392, 0.1091

Inverse Universe

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



23.8531, 0.3865, 0.2758



34.7070, 0.4122, 0.2660



44.8377, 0.3020, 0.4702



10.7108, 0.3224, 0.3192



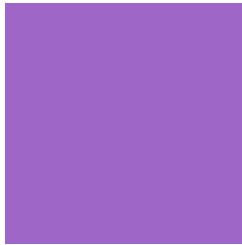
8.2455, 0.5246, 0.2663



0.4049, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 21.0931, 0.2737, 0.1973 looks on a white background.

Color Contrast Check

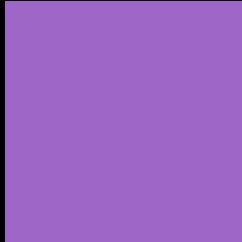
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0931, 0.2737, 0.1973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

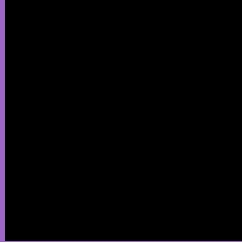
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0931, 0.2737, 0.1973

Background



This preview shows how black text looks on a background with the Yxy color 21.0931, 0.2737, 0.1973.



This preview shows how white text looks on a background with the Yxy color 21.0931, 0.2737, 0.1973.

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

21.0931, 0.2737, 0.1973

Protanopia

21.4557, 0.2072, 0.1876

Deuteranopia

21.4535, 0.2252, 0.2202



Tritanopia

21.1289, 0.3347, 0.3139

Trichromacy



Original Color

21.0931, 0.2737, 0.1973



Protanomaly

20.6387, 0.2252, 0.1882



Deuteranomaly

20.7243, 0.2390, 0.2083



Tritanomaly

20.8518, 0.3108, 0.2653

Monochromacy



Original Color

21.0931, 0.2737, 0.1973



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

21.3749, 0.2979, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0931, 0.2737, 0.1973 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(158, 103, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 103, 199)  
}
```

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(158, 103, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 103, 199) }
```

Border

The CSS property to change the border of an element to Yxy 21.0931, 0.2737, 0.1973 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(158, 103, 199) }
```

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

```
.border{ border-color:rgb(158, 103, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 103, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 103, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 103, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 103,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0931, 0.2737, 0.1973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 103, 199) }
```

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

```
.background{ background-color: rgb(158,  
103, 199) }
```

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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