

Converting Colors

$Y_{xy}(21.3277, 0.2707, 0.1934)$

Have a look what the booklet for
Yxy(21.3277, 0.2707, 0.1934)
contains.

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Color

Yxy(21.3832, 0.2712, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	9F67CB
RGB	159, 103, 203
RGB Percent	62%, 40%, 80%
CMY	0.3765, 0.5960, 0.2040
CMYK	0.22, 0.49, 0.00, 0.20
HSL	274°, 49%, 60%
HSV	274°, 49%, 80%
XYZ	29.9232, 21.3832, 59.0300
YIQ	131.1440, 1.2760, 42.9720

Conversions

Conversions Part 2

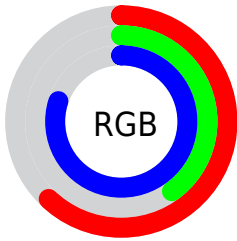
Format	Color
R_{YB}	159, 103, 203
Decimal	10446795
CIE _{Lab}	53.37, 41.15, -43.48
CIE _{LCh}	53, 59.866, 313.420
Yxy	21.3832, 0.2712, 0.1938
Android (android.graphics.Color)	4288636875 (0xFF9F67CB)
YUV	131.1440, 35.4250, 24.4297
Hunter-Lab	46.2420, 34.5841, -43.3170

Details

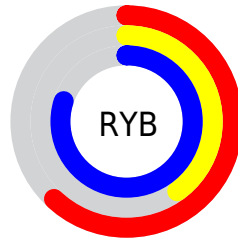
The Yxy color **21.3832, 0.2712, 0.1938** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.8788, 0.3371, 0.4693**, and the grayscale version is **22.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5959, 0.2853, 0.2233**, and **7.6876, 0.2541, 0.1570** is the 20% darker color. If you saturate the color by 10%, you get **16.9438, 0.2599, 0.1665**, and if you desaturate by 10%, it is **26.8702, 0.2818, 0.2225**.

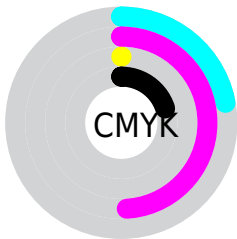
Distribution



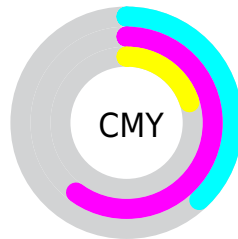
- Red (62%)
- Green (40%)
- Blue (80%)



- Red (62%)
- Yellow (40%)
- Blue (80%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3832, 0.2712, 0.1938 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 21.3832, 0.2712, 0.1938 by changing the saturation by 10% instead.


 21.3832, 0.2712,
0.1938


 21.3832, 0.2712,
0.1938


259.3080, 0.2960,
0.2615

 13.4044, 0.2638,
0.1774


 45.7244, 0.2811,
0.2181

 7.7076, 0.2536,
0.1570


 62.8556, 0.2846,
0.2274

 3.9084, 0.2389,
0.1310


 83.8064, 0.2874,
0.2352

 1.6225, 0.2167,
0.0980

 108.9612, 0.2897,
0.2420

 0.3727, 0.1833,
0.0464

138.7043, 0.2917,
0.2479

 0.0000, 0.0960,
0.0000

173.4203, 0.2933,

 0.0000, 0.0000,

0.2530

0.0000

213.4934, 0.2947,
0.2575

■ 21.3832, 0.2712,
0.1938

■ 21.3832, 0.2712,
0.1938

■ 16.9438, 0.2599,
0.1665

■ 26.8702, 0.2818,
0.2225

■ 13.4759, 0.2481,
0.1421

■ 33.4685, 0.2913,
0.2514

■ 10.8970, 0.2363,
0.1217


■ 41.2395, 0.2997,
0.2794


■ 9.1086, 0.2251,
0.1064


■ 50.2395, 0.3070,
0.3061

■ 7.9439, 0.2147,
0.0959

■ 60.5209, 0.3131,
0.3308

 7.8655, 0.2139,
0.0952

 72.1331, 0.3183,
0.3535

 85.1229, 0.3226,
0.3740

 92.7249, 0.3274,
0.3828

 94.2441, 0.3332,
0.3818

Harmonies

Analogous

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



21.3832, 0.1922, 0.1764



21.3832, 0.2712, 0.1938



21.3832, 0.3801, 0.2361

Triad

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



21.3832, 0.2712, 0.1938



21.3832, 0.4933, 0.4393



21.3832, 0.1649, 0.3322

Complementary

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



21.3832, 0.2712, 0.1938



49.8788, 0.3371, 0.4693

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.



21.3832, 0.2293, 0.4572



21.3832, 0.2712, 0.1938



21.3832, 0.4181, 0.5073

Square

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



21.3832, 0.2712, 0.1938



21.3832, 0.5221, 0.3655



21.3832, 0.3225, 0.5290



21.3832, 0.1400, 0.2360

Rectangle

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



21.3832, 0.2712, 0.1938



21.3832, 0.4516, 0.2750



21.3832, 0.3225, 0.5290



21.3832, 0.1819, 0.3737

Sweetspot

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



21.3841, 0.2712, 0.1938



74.9237, 0.3028, 0.2904



28.3728, 0.2327, 0.2449



15.3670, 0.3012, 0.2846



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.



21.3841, 0.2712, 0.1938



28.0258, 0.2592, 0.1651



26.4716, 0.3236, 0.2160



11.1486, 0.3069, 0.3057



5.0620, 0.2153, 0.0960



0.3056, 0.2353, 0.1070

Inverse Universe

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



24.5020, 0.3871, 0.2730



34.2022, 0.4122, 0.2632



46.6644, 0.3027, 0.4764



11.2943, 0.3222, 0.3188



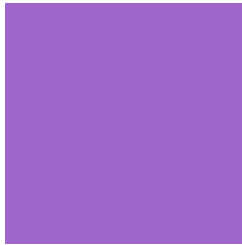
8.5600, 0.5194, 0.2635



0.4568, 0.4710, 0.2368

Previews

White Background



This preview shows how the Yxy color 21.3832, 0.2712, 0.1938 looks on a white background.

Color Contrast Check

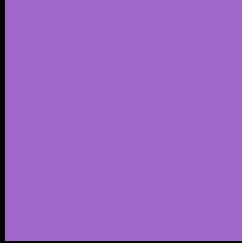
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3832, 0.2712, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

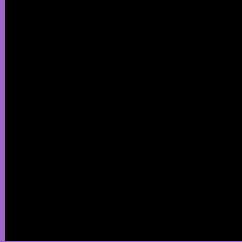
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3832, 0.2712, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 21.3832, 0.2712, 0.1938.



This preview shows how white text looks on a background with the Yxy color 21.3832, 0.2712, 0.1938.

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

21.3832, 0.2712, 0.1938

Protanopia

21.5820, 0.2035, 0.1823

Deuteranopia

21.7397, 0.2213, 0.2165



Tritanopia

21.4895, 0.3345, 0.3139

Trichromacy



Original Color

21.3832, 0.2712, 0.1938

Protanomaly

20.8282, 0.2216, 0.1832

Deuteranomaly

21.0768, 0.2358, 0.2052

Tritanomaly

21.0483, 0.3086, 0.2613

Monochromacy



Original Color

21.3832, 0.2712, 0.1938

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.7718, 0.2969, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3832, 0.2712, 0.1938 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(159, 103, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 103, 203)  
}
```

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(159, 103, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 103, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.3832, 0.2712, 0.1938 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(159, 103, 203) }
```

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

```
.border{ border-color:rgb(159, 103, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 103, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 103, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 103, 203);  
box-shadow:4px 4px 4px 4px rgb(159, 103,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3832, 0.2712, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 103, 203) }
```

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

```
.background{ background-color: rgb(159,  
103, 203) }
```

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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