

Converting Colors

$Y_{xy}(21.1535, 0.2615, 0.1328)$

Have a look what the booklet for
Yxy(21.1535, 0.2615, 0.1328)
contains.

Yxy(21.1898, 0.2618, 0.1329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.1898, 0.2618, 0.1329)

Conversions

Conversions Part 1

Format	Color
Hex	C333FF
RGB	195, 51, 255
RGB Percent	76%, 20%, 100%
CMY	0.2353, 0.8000, 0.0000
CMYK	0.24, 0.80, 0.00, 0.00
HSL	282°, 100%, 60%
HSV	282°, 80%, 100%
XYZ	41.7418, 21.1898, 96.5101
YIQ	117.3120, 20.3400, 93.9720

Conversions

Conversions Part 2

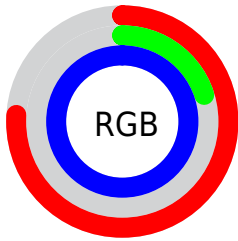
Format	Color
R_{YB}	195, 51, 255
Decimal	12792831
CIE _{Lab}	53.16, 81.97, -72.88
CIE _{LCh}	53, 109.683, 318.358
Yxy	21.1898, 0.2618, 0.1329
Android (android.graphics.Color)	4290982911 (0xFFC333FF)
YUV	117.3120, 67.8802, 68.1324
Hunter-Lab	46.0324, 81.3059, -92.0829

Details

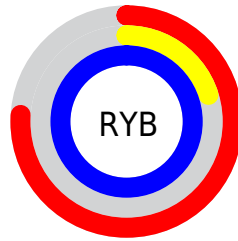
The Yxy color **21.1898, 0.2618, 0.1329** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.1375, 0.3216, 0.5632**, and the grayscale version is **17.6705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **9.1821, 0.2424, 0.1109** is the 20% darker color. If you saturate the color by 10%, you get **18.5652, 0.2539, 0.1208**, and if you desaturate by 10%, it is **25.0838, 0.2699, 0.1499**.

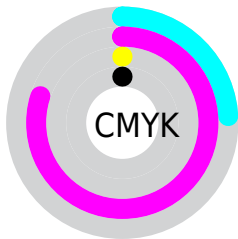
Distribution



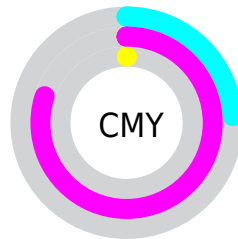
- Red (76%)
- Green (20%)
- Blue (100%)



- Red (76%)
- Yellow (20%)
- Blue (100%)



- Cyan (24%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1898, 0.2618, 0.1329 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 21.1898, 0.2618, 0.1329 by changing the saturation by 10% instead.


 21.1898, 0.2618,
0.1329


 21.1898, 0.2618,
0.1329


258.2855, 0.2937,
0.2202


 13.2628, 0.2526,
0.1152


 45.4032, 0.2744,
0.1617

 7.6098, 0.2405,
0.0949


 62.4584, 0.2789,
0.1734

 3.8463, 0.2241,
0.0719


 83.3251, 0.2826,
0.1836

 1.5879, 0.2013,
0.0470

 108.3878, 0.2856,
0.1927

 0.3495, 0.1702,
0.0176

 138.0307, 0.2881,
0.2008

 0.0000, 0.1255,
0.0000

172.6384, 0.2903,

 0.0000, 0.0441,

0.2080

0.0000

212.5952, 0.2921,
0.2144

■ 0.0000, 0.0000,
0.0000

■ 21.1898, 0.2618,
0.1329

■ 21.1898, 0.2618,
0.1329

■ 18.5652, 0.2539,
0.1208

■ 25.0838, 0.2699,
0.1499

■ 16.9245, 0.2463,
0.1130

■ 30.4230, 0.2779,
0.1712

■ 37.3546, 0.2855,
0.1958

■ 46.0071, 0.2925,
0.2225

■ 56.4960, 0.2988,
0.2500

68.9264, 0.3042,
0.2774

83.3954, 0.3088,
0.3039

99.9935, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



21.1898, 0.1394, 0.1055



21.1898, 0.2618, 0.1329



21.1898, 0.4595, 0.1920

Triad

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



21.1898, 0.2618, 0.1329



21.1898, 0.5409, 0.4591



21.1898, 0.0728, 0.2779

Complementary

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



21.1898, 0.2618, 0.1329



75.1375, 0.3216, 0.5632

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.



21.1898, 0.1354, 0.5444



21.1898, 0.2618, 0.1329



21.1898, 0.3964, 0.6036

Square

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



21.1898, 0.2618, 0.1329



21.1898, 0.6397, 0.3492



21.1898, 0.2540, 0.7012



21.1898, 0.0617, 0.1506

Rectangle

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



21.1898, 0.2618, 0.1329



21.1898, 0.5855, 0.2427



21.1898, 0.2540, 0.7012



21.1898, 0.0864, 0.3532

Sweetspot

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



21.1896, 0.2618, 0.1329



63.7195, 0.3021, 0.2666



19.5546, 0.1779, 0.1379



12.7027, 0.3002, 0.2568



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.



21.1896, 0.2618, 0.1329



17.5099, 0.2493, 0.1158



28.4920, 0.3652, 0.1906



18.0164, 0.3091, 0.3052



8.9241, 0.2475, 0.1137



0.9253, 0.2561, 0.1184

Inverse Universe

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



24.7742, 0.5176, 0.2831



22.0935, 0.5717, 0.2946



72.9926, 0.2911, 0.5441



18.0750, 0.3248, 0.3220



11.3967, 0.5789, 0.2963



1.1278, 0.5469, 0.2787

Previews

White Background



This preview shows how the Yxy color 21.1898, 0.2618, 0.1329 looks on a white background.

Color Contrast Check

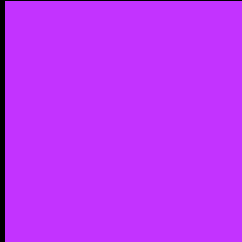
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1898, 0.2618, 0.1329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

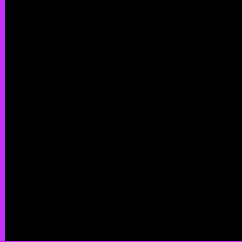
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1898, 0.2618, 0.1329

Background



This preview shows how black text looks on a background with the Yxy color 21.1898, 0.2618, 0.1329.



This preview shows how white text looks on a background with the Yxy color 21.1898, 0.2618, 0.1329.

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

21.1898, 0.2618, 0.1329

Protanopia

21.6619, 0.1773, 0.1496

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

20.9847, 0.3925, 0.3172

Trichromacy



Original Color

21.1898, 0.2618, 0.1329



Protanomaly

17.9430, 0.1880, 0.1271



Deuteranomaly

16.7614, 0.1855, 0.1380



Tritanomaly

19.5515, 0.3372, 0.2222

Monochromacy



Original Color

21.1898, 0.2618, 0.1329



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.6385, 0.2901, 0.2139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1898, 0.2618, 0.1329 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(195, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 51, 255)  
}
```

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(195, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1898, 0.2618, 0.1329 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(195, 51, 255) }
```

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

```
.border{ border-color:rgb(195, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 51, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 51, 255); box-shadow:4px 4px 4px 4px rgb(195, 51, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1898, 0.2618, 0.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 51, 255) }
```

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

```
.background{ background-color: rgb(195, 51,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor