

Converting Colors

$Y_{xy}(19.8441, 0.2797, 0.1405)$

Have a look what the booklet for
Yxy(19.8441, 0.2797, 0.1405)
contains.

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Color

Yxy(19.7761, 0.2794, 0.1402)

Conversions

Conversions Part 1

Format	Color
Hex	C62AED
RGB	198, 42, 237
RGB Percent	78%, 16%, 93%
CMY	0.2234, 0.8356, 0.0705
CMYK	0.16, 0.82, 0.00, 0.07
HSL	288°, 84%, 55%
HSV	288°, 82%, 93%
XYZ	39.4111, 19.7761, 81.8691
YIQ	110.8740, 30.3810, 93.7170

Conversions

Conversions Part 2

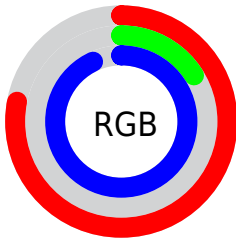
Format	Color
R _Y B	198, 42, 237
Decimal	12987117
CIE Lab	51.58, 81.54, -65.34
CIE LCh	52, 104.491, 321.293
Yxy	19.7761, 0.2794, 0.1402
Android (android.graphics.Color)	4291177197 (0xFFC62AED)
YUV	110.8740, 62.1801, 76.4095
Hunter-Lab	44.4703, 80.3698, -78.0226

Details

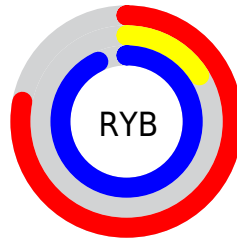
The Yxy color **19.7761, 0.2794, 0.1402** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **62.4865, 0.3127, 0.5731**, and the grayscale version is **15.6591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **8.7843, 0.2640, 0.1228** is the 20% darker color. If you saturate the color by 10%, you get **17.9325, 0.2740, 0.1308**, and if you desaturate by 10%, it is **22.6330, 0.2848, 0.1543**.

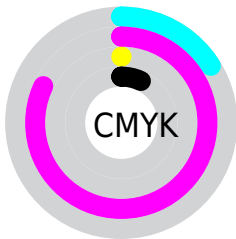
Distribution



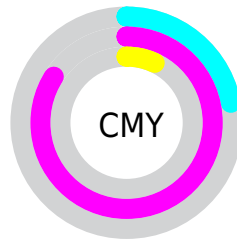
- Red (78%)
- Green (16%)
- Blue (93%)



- Red (78%)
- Yellow (16%)
- Blue (93%)



- Cyan (16%)
- Magenta (82%)
- Yellow (0%)
- Black (7%)





- Cyan (22%)
- Magenta (84%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7761, 0.2794, 0.1402 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 19.7761, 0.2794, 0.1402 by changing the saturation by 10% instead.


 19.7761, 0.2794,
0.1402


 19.7761, 0.2794,
0.1402

250.7004, 0.3026,
0.2266


 12.2324, 0.2720,
0.1221


 43.0415, 0.2891,
0.1692


 6.9022, 0.2619,
0.1009


 59.5319, 0.2924,
0.1808

 3.4010, 0.2475,
0.0766


 79.7735, 0.2950,
0.1909

 1.3445, 0.2263,
0.0497

 104.1504, 0.2971,
0.1998

 0.1753, 0.1968,
0.0116

 133.0472, 0.2989,
0.2077

 0.0000, 0.1472,
0.0000

166.8482, 0.3003,

 0.0000, 0.0166,

0.2147

0.0000

205.9378, 0.3015,
0.2209

■ 0.0000, 0.0000,
0.0000

■ 19.7761, 0.2794,
0.1402

■ 19.7761, 0.2794,
0.1402

■ 17.9325, 0.2740,
0.1308

■ 22.6330, 0.2848,
0.1543

■ 17.0189, 0.2700,
0.1261

■ 26.6536, 0.2900,
0.1727

■ 31.9654, 0.2950,
0.1948

■ 38.6786, 0.2995,
0.2194

■ 46.8914, 0.3035,
0.2455

■ 56.6930, 0.3070,
0.2721

■ 68.1658, 0.3099,
0.2983

■ 81.3863, 0.3122,
0.3234

■ 96.2747, 0.3141,
0.3468

Harmonies

Analogous

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



19.7761, 0.1507, 0.1098



19.7761, 0.2794, 0.1402



19.7761, 0.4765, 0.2017

Triad

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



19.7761, 0.2794, 0.1402



19.7761, 0.5269, 0.4731



19.7761, 0.0735, 0.2620

Complementary

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



19.7761, 0.2794, 0.1402



62.4865, 0.3127, 0.5731

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.



19.7761, 0.1305, 0.5106



19.7761, 0.2794, 0.1402



19.7761, 0.3847, 0.6153

Square

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



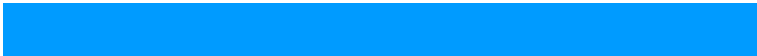
19.7761, 0.2794, 0.1402



19.7761, 0.6296, 0.3610



19.7761, 0.2452, 0.6910



19.7761, 0.0653, 0.1473

Rectangle

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



19.7761, 0.2794, 0.1402



19.7761, 0.5932, 0.2527



19.7761, 0.2452, 0.6910



19.7761, 0.0855, 0.3303

Sweetspot

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



19.7769, 0.2794, 0.1402



63.5148, 0.3061, 0.2647



12.4823, 0.1694, 0.1103



12.7148, 0.3049, 0.2553



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.



19.7769, 0.2794, 0.1402



20.1930, 0.2703, 0.1266



22.8912, 0.3942, 0.2058



15.1530, 0.3106, 0.3056



9.3472, 0.2709, 0.1266



0.7725, 0.2782, 0.1306

Inverse Universe

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



20.2498, 0.5541, 0.3014



21.5722, 0.6091, 0.3135



61.9945, 0.2846, 0.5257



15.1032, 0.3261, 0.3243



9.9582, 0.6072, 0.3119



0.7953, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 19.7761, 0.2794, 0.1402 looks on a white background.

Color Contrast Check

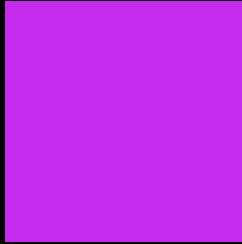
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7761, 0.2794, 0.1402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

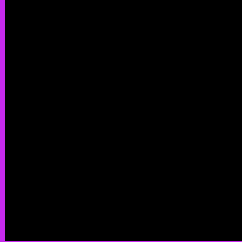
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7761, 0.2794, 0.1402

Background



This preview shows how black text looks on a background with the Yxy color 19.7761, 0.2794, 0.1402.



This preview shows how white text looks on a background with the Yxy color 19.7761, 0.2794, 0.1402.

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

19.7761, 0.2794, 0.1402

Protanopia

20.1587, 0.1739, 0.1460

Deuteranopia

20.1956, 0.1831, 0.1791



Tritanopia

19.6676, 0.4201, 0.3192

Trichromacy



Original Color

19.7761, 0.2794, 0.1402



Protanomaly

15.5137, 0.1807, 0.1216



Deuteranomaly

15.1082, 0.1871, 0.1370



Tritanomaly

18.3467, 0.3632, 0.2294

Monochromacy



Original Color

19.7761, 0.2794, 0.1402



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9295, 0.2990, 0.2153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7761, 0.2794, 0.1402 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(198, 42, 237)` looks like.

```
.text, #text, p{  
    color:rgb(198, 42, 237)  
}
```

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(198, 42, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 42, 237) }
```

Border

The CSS property to change the border of an element to Yxy 19.7761, 0.2794, 0.1402 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(198, 42, 237) }
```

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

```
.border{ border-color:rgb(198, 42, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 42, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 42, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 42, 237);  
box-shadow:4px 4px 4px 4px rgb(198, 42,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7761, 0.2794, 0.1402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 42, 237) }
```

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

```
.background{ background-color: rgb(198, 42,  
237) }
```

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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