

Converting Colors

$Y_{xy}(22.1447, 0.2809, 0.1615)$

Have a look what the booklet for
Yxy(22.1447, 0.2809, 0.1615)
contains.

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Color

Yxy(22.1714, 0.2811, 0.1617)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C04DE5 |
| RGB | 192, 77, 229 |
| RGB Percent | 75%, 30%, 90% |
| CMY | 0.2470, 0.6982, 0.1018 |
| CMYK | 0.16, 0.66, 0.00, 0.10 |
| HSL | 285°, 75%, 60% |
| HSV | 285°, 66%, 90% |
| XYZ | 38.5429, 22.1714, 76.4001 |
| YIQ | 128.7130, 19.7480, 71.6520 |

Conversions

Conversions Part 2

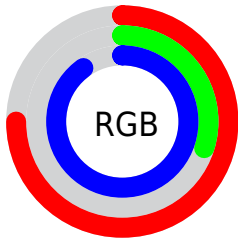
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 192, 77, 229 |
| Decimal | 12602853 |
| CIELab | 54.21, 67.47, -56.67 |
| CIELCh | 54, 88.111, 319.969 |
| Yxy | 22.1714, 0.2811, 0.1617 |
| Android (android.graphics.Color) | 4290792933 (0xFFC04DE5) |
| YUV | 128.7130, 49.4415, 55.5027 |
| Hunter-Lab | 47.0865, 63.7105, -63.2403 |

Details

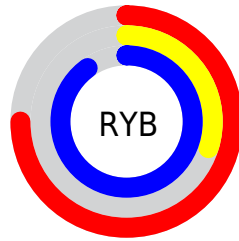
The Yxy color **22.1714, 0.2811, 0.1617** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **60.1678, 0.3207, 0.5316**, and the grayscale version is **21.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6905, 0.3156, 0.2118**, and **8.1072, 0.2647, 0.1234** is the 20% darker color. If you saturate the color by 10%, you get **18.7992, 0.2745, 0.1440**, and if you desaturate by 10%, it is **26.7004, 0.2875, 0.1833**.

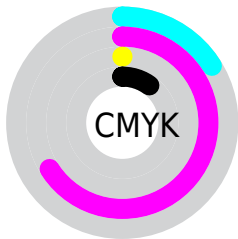
Distribution



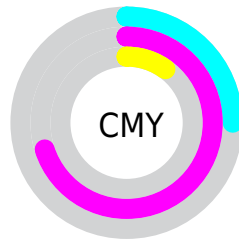
- Red (75%)
- Green (30%)
- Blue (90%)



- Red (75%)
- Yellow (30%)
- Blue (90%)



- Cyan (16%)
- Magenta (66%)
- Yellow (0%)
- Black (10%)





- Cyan (25%)
- Magenta (70%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1714, 0.2811, 0.1617 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 22.1714, 0.2811, 0.1617 by changing the saturation by 10% instead.


 22.1714, 0.2811,
0.1617


 22.1714, 0.2811,
0.1617


263.4401, 0.3020,
0.2402


 13.9829, 0.2746,
0.1444


 47.0291, 0.2897,
0.1886


 8.1088, 0.2656,
0.1238


 64.4671, 0.2927,
0.1992

 4.1646, 0.2527,
0.0992


 85.7571, 0.2950,
0.2084

 1.7661, 0.2336,
0.0702

 111.2834, 0.2970,
0.2164

 0.4659, 0.2049,
0.0340

 141.4305, 0.2986,
0.2235

 0.0000, 0.1588,
0.0000

176.5827, 0.2999,

 0.0000, 0.0000,

0.2297

0.0000

217.1244, 0.3010,
0.2352

■ 22.1714, 0.2811,
0.1617

■ 22.1714, 0.2811,
0.1617

■ 18.7992, 0.2745,
0.1440

■ 26.7004, 0.2875,
0.1833

■ 16.4564, 0.2679,
0.1309

■ 32.4904, 0.2934,
0.2078

■ 14.9874, 0.2615,
0.1225

■ 39.6366, 0.2987,
0.2340

■ 14.5766, 0.2592,
0.1201

■ 48.2245, 0.3035,
0.2609

■ 58.3323, 0.3075,
0.2876

70.0326, 0.3109,
0.3133

83.3931, 0.3137,
0.3376

95.1176, 0.3162,
0.3551

96.0899, 0.3197,
0.3548

Harmonies

Analogous

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



22.1714, 0.1692, 0.1340



22.1714, 0.2811, 0.1617



22.1714, 0.4419, 0.2182

Triad

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



22.1714, 0.2811, 0.1617



22.1714, 0.5192, 0.4709



22.1714, 0.1046, 0.2871

Complementary

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



22.1714, 0.2811, 0.1617



60.1678, 0.3207, 0.5316

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.



22.1714, 0.1666, 0.4831



22.1714, 0.2811, 0.1617



22.1714, 0.4018, 0.5788

Square

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



22.1714, 0.2811, 0.1617



22.1714, 0.5924, 0.3724



22.1714, 0.2770, 0.6212



22.1714, 0.0907, 0.1778

Rectangle

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



22.1714, 0.2811, 0.1617



22.1714, 0.5397, 0.2665



22.1714, 0.2770, 0.6212



22.1714, 0.1189, 0.3449

Sweetspot

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



22.1723, 0.2811, 0.1617



69.3872, 0.3061, 0.2777



19.4937, 0.1952, 0.1631



14.0732, 0.3049, 0.2702



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.



22.1723, 0.2811, 0.1617



22.6170, 0.2718, 0.1381



25.7293, 0.3637, 0.2108



14.4293, 0.3099, 0.3056



8.3902, 0.2601, 0.1207



0.6624, 0.2694, 0.1258

Inverse Universe

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



23.1813, 0.4777, 0.2913



24.5603, 0.5333, 0.2927



58.8706, 0.2876, 0.4954



14.4252, 0.3254, 0.3233



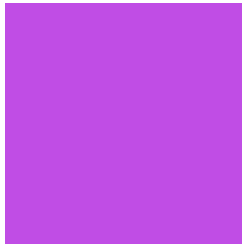
9.7019, 0.5945, 0.3049



0.7314, 0.5532, 0.2821

Previews

White Background



This preview shows how the Yxy color 22.1714, 0.2811, 0.1617 looks on a white background.

Color Contrast Check

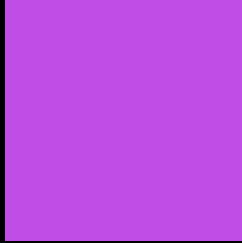
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1714, 0.2811, 0.1617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

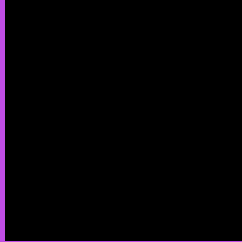
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1714, 0.2811, 0.1617

Background



This preview shows how black text looks on a background with the Yxy color 22.1714, 0.2811, 0.1617.

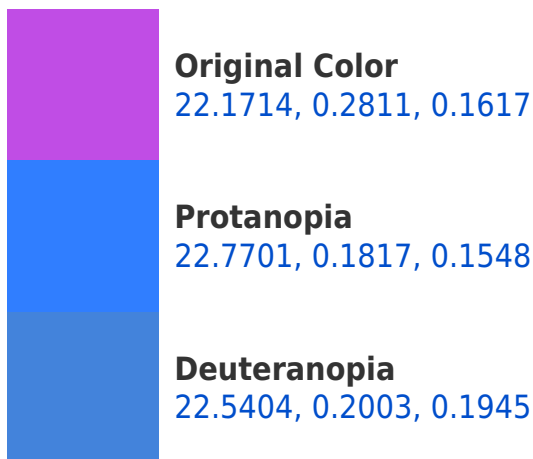


This preview shows how white text looks on a background with the Yxy color 22.1714, 0.2811, 0.1617.

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





Tritanopia

21.9551, 0.3881, 0.3158

Trichromacy



Original Color

22.1714, 0.2811, 0.1617



Protanomaly

20.0883, 0.1990, 0.1467



Deuteranomaly

20.1413, 0.2174, 0.1704



Tritanomaly

21.4068, 0.3447, 0.2452

Monochromacy



Original Color

22.1714, 0.2811, 0.1617



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.5439, 0.3011, 0.2443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1714, 0.2811, 0.1617 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(192, 77, 229)` looks like.

```
.text, #text, p{  
    color:rgb(192, 77, 229)  
}
```

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(192, 77, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 77, 229) }
```

Border

The CSS property to change the border of an element to Yxy 22.1714, 0.2811, 0.1617 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(192, 77, 229) }
```

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

```
.border{ border-color:rgb(192, 77, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 77, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 77, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 77, 229);  
box-shadow:4px 4px 4px 4px rgb(192, 77,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1714, 0.2811, 0.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 77, 229) }
```

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

```
.background{ background-color: rgb(192, 77,  
229) }
```

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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