

Converting Colors

$Y_{xy}(22.8421, 0.3217, 0.1868)$

Have a look what the booklet for
Yxy(22.8421, 0.3217, 0.1868)
contains.

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Color

Yxy(22.8421, 0.3217, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	CF4CCD
RGB	207, 76, 205
RGB Percent	81%, 30%, 80%
CMY	0.1882, 0.7020, 0.1960
CMYK	0.00, 0.63, 0.01, 0.19
HSL	301°, 58%, 55%
HSV	301°, 63%, 81%
XYZ	39.3378, 22.8421, 60.1011
YIQ	129.8750, 36.6670, 67.8910

Conversions

Conversions Part 2

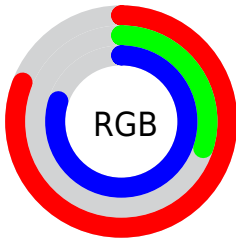
Format	Color
R _Y B	207, 76, 205
Decimal	13585613
CIE Lab	54.91, 66.97, -41.80
CIE LCh	55, 78.947, 328.028
Yxy	22.8421, 0.3217, 0.1868
Android (android.graphics.Color)	4291775693 (0xFFCF4CCD)
YUV	129.8750, 37.0366, 67.6386
Hunter-Lab	47.7934, 63.2814, -41.1029

Details

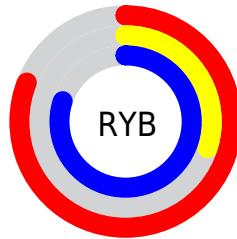
The Yxy color **22.8421, 0.3217, 0.1868** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **46.7140, 0.3024, 0.5296**, and the grayscale version is **22.1343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2551, 0.3182, 0.2128**, and **8.5916, 0.3193, 0.1533** is the 20% darker color. If you saturate the color by 10%, you get **20.4200, 0.3228, 0.1730**, and if you desaturate by 10%, it is **26.1836, 0.3204, 0.2044**.

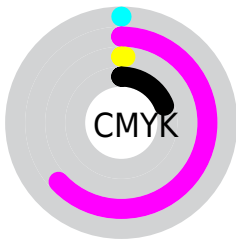
Distribution



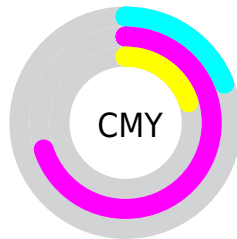
- Red (81%)
- Green (30%)
- Blue (80%)



- Red (81%)
- Yellow (30%)
- Blue (80%)



- Cyan (0%)
- Magenta (63%)
- Yellow (1%)
- Black (19%)




- Cyan (19%)
- Magenta (70%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8421, 0.3217, 0.1868 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 22.8421, 0.3217, 0.1868 by changing the saturation by 10% instead.


 22.8421, 0.3217,
0.1868


 22.8421, 0.3217,
0.1868


266.9130, 0.3203,
0.2556


 14.4770, 0.3210,
0.1708


 48.1339, 0.3220,
0.2110

 8.4531, 0.3194,
0.1511

 65.8294, 0.3219,
0.2204


 4.3862, 0.3162,
0.1267


 87.4038, 0.3217,
0.2284

 1.8919, 0.3098,
0.0960

 113.2414, 0.3214,
0.2353

 0.5435, 0.2974,
0.0548

 143.7268, 0.3211,
0.2413

 0.0000, 0.2709,
0.0000


179.2442, 0.3209,

 0.0000, 0.0406,

0.2467

0.0000


220.1782, 0.3206,
0.2514


 0.0000, 0.0000,
0.0000

 22.8421, 0.3217,
0.1868


 22.8421, 0.3217,
0.1868


 20.4200, 0.3228,
0.1730


 26.1836, 0.3204,
0.2044


 18.8226, 0.3237,
0.1635


 30.5208, 0.3190,
0.2252

 17.9403, 0.3244,
0.1582

 35.9259, 0.3175,
0.2482

 17.6188, 0.3248,
0.1563

 42.4632, 0.3160,
0.2724

 50.1922, 0.3146,
0.2970

■ 59.1681, 0.3132,
0.3212

■ 69.4426, 0.3118,
0.3445

■ 81.0647, 0.3106,
0.3665

■ 89.3324, 0.3098,
0.3799

Harmonies

Analogous

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



22.8421, 0.2045, 0.1526



22.8421, 0.3217, 0.1868



22.8421, 0.4667, 0.2466

Triad

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



22.8421, 0.3217, 0.1868



22.8421, 0.4821, 0.4939



22.8421, 0.1136, 0.2598

Complementary

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



22.8421, 0.3217, 0.1868



46.7140, 0.3024, 0.5296

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.



22.8421, 0.1613, 0.4156



22.8421, 0.3217, 0.1868



22.8421, 0.3724, 0.5776

Square

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



22.8421, 0.3217, 0.1868



22.8421, 0.5592, 0.4005



22.8421, 0.2567, 0.5673



22.8421, 0.1082, 0.1770

Rectangle

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



22.8421, 0.3217, 0.1868



22.8421, 0.5411, 0.2946



22.8421, 0.2567, 0.5673



22.8421, 0.1241, 0.3041

Sweetspot

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



22.8431, 0.3217, 0.1868



72.8406, 0.3154, 0.2824



11.2104, 0.1905, 0.1269



14.8524, 0.3159, 0.2752



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.



22.8431, 0.3217, 0.1868



31.6506, 0.3232, 0.1691



20.3728, 0.4088, 0.2512



12.0058, 0.3140, 0.3064



11.1015, 0.3247, 0.1562



0.6217, 0.3240, 0.1558

Inverse Universe

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



22.8431, 0.3217, 0.1868



31.6506, 0.3232, 0.1691



48.1021, 0.2707, 0.4321



12.0058, 0.3140, 0.3064



11.1015, 0.3247, 0.1562



0.6217, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 22.8421, 0.3217, 0.1868 looks on a white background.

Color Contrast Check

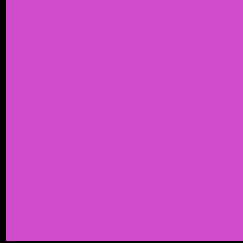
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8421, 0.3217, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

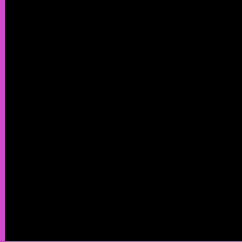
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8421, 0.3217, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 22.8421, 0.3217, 0.1868.

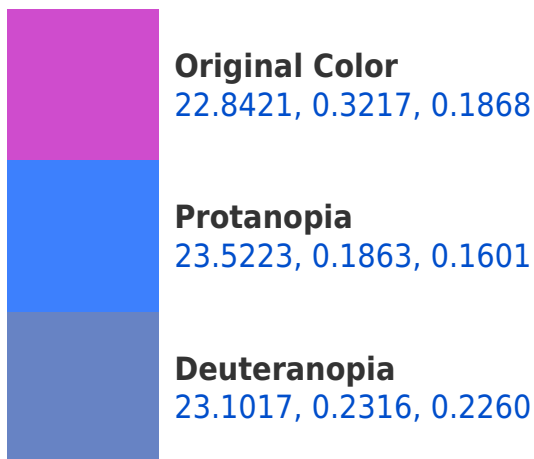


This preview shows how white text looks on a background with the Yxy color 22.8421, 0.3217, 0.1868.

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

22.7841, 0.4296, 0.3200

Trichromacy



Original Color

22.8421, 0.3217, 0.1868



Protanomaly

20.5708, 0.2119, 0.1582



Deuteranomaly

21.1551, 0.2574, 0.2018



Tritanomaly

22.3291, 0.3892, 0.2639

Monochromacy



Original Color

22.8421, 0.3217, 0.1868



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

20.8553, 0.3173, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8421, 0.3217, 0.1868 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(207, 76, 205)` looks like.

```
.text, #text, p{  
    color:rgb(207, 76, 205)  
}
```

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(207, 76, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 76, 205) }
```

Border

The CSS property to change the border of an element to Yxy 22.8421, 0.3217, 0.1868 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(207, 76, 205) }
```

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

```
.border{ border-color:rgb(207, 76, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 76, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 76, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 76, 205);  
box-shadow:4px 4px 4px 4px rgb(207, 76,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8421, 0.3217, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 76, 205) }
```

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

```
.background{ background-color: rgb(207, 76,  
205) }
```

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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