

Converting Colors

$Y_{xy}(21.2385, 0.3128, 0.2208)$

Have a look what the booklet for
Yxy(21.2385, 0.3128, 0.2208)
contains.

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Color

Yxy(21.1367, 0.3130, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	AE63B2
RGB	174, 99, 178
RGB Percent	68%, 39%, 70%
CMY	0.3174, 0.6119, 0.3019
CMYK	0.02, 0.44, 0.00, 0.30
HSL	297°, 34%, 54%
HSV	297°, 44%, 70%
XYZ	29.9628, 21.1367, 44.6283
YIQ	130.4310, 19.3410, 40.4690

Conversions

Conversions Part 2

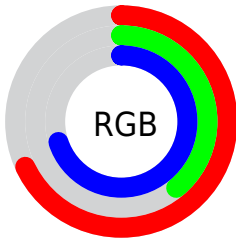
Format	Color
RYB	174, 99, 178
Decimal	11428786
CIELab	53.10, 42.45, -29.43
CIELCh	53, 51.655, 325.270
Yxy	21.1367, 0.3130, 0.2208
Android (android.graphics.Color)	4289618866 (0xFFAE63B2)
YUV	130.4310, 23.4515, 38.2100
Hunter-Lab	45.9747, 35.8771, -25.3714

Details

The Yxy color **21.1367, 0.3130, 0.2208** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.6273, 0.3093, 0.4638**, and the grayscale version is **22.3934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3859, 0.3142, 0.2415**, and **7.5876, 0.3103, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **18.0273, 0.3126, 0.1994**, and if you desaturate by 10%, it is **24.9920, 0.3132, 0.2443**.

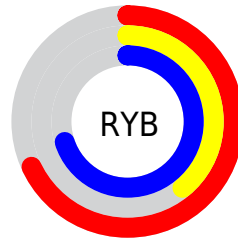
Distribution



Red (68%)

Green (39%)

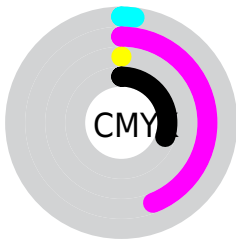
Blue (70%)



Red (68%)

Yellow (39%)

Blue (70%)

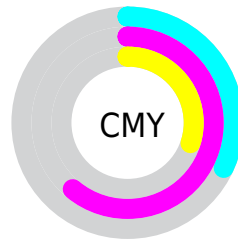


Cyan (2%)

Magenta (44%)

Yellow (0%)

Black (30%)



Cyan (32%)


Magenta (61%)


Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1367, 0.3130, 0.2208 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 21.1367, 0.3130, 0.2208 by changing the saturation by 10% instead.


 21.1367, 0.3130,
0.2208


 21.1367, 0.3130,
0.2208


258.0041, 0.3147,
0.2765


 13.2240, 0.3118,
0.2066


 45.3149, 0.3141,
0.2413

 7.5829, 0.3098,
0.1883


 62.3492, 0.3144,
0.2490

 3.8293, 0.3061,
0.1641


 83.1928, 0.3146,
0.2554

 1.5785, 0.2988,
0.1311

 108.2301, 0.3147,
0.2609

 0.3431, 0.2885,
0.0670

137.8455, 0.3147,
0.2656

 0.0000, 0.1988,
0.0000

172.4233, 0.3147,

 0.0000, 0.0000,

0.2697

0.0000

212.3481, 0.3147,
0.2733

■ 21.1367, 0.3130,
0.2208

■ 21.1367, 0.3130,
0.2208

■ 18.0273, 0.3126,
0.1994

■ 24.9920, 0.3132,
0.2443

■ 15.6115, 0.3120,
0.1810

■ 29.6353, 0.3132,
0.2690

■ 13.8350, 0.3112,
0.1664

■ 35.1089, 0.3131,
0.2939

■ 12.6339, 0.3102,
0.1560

■ 41.4513, 0.3129,
0.3185

■ 11.9313, 0.3091,
0.1497

■ 48.6984, 0.3125,
0.3420

■ 11.6596, 0.3084,
0.1473

■ 56.8843, 0.3121,
0.3643

■ 66.0413, 0.3117,
0.3849

■ 76.2001, 0.3112,
0.4039

■ 84.6908, 0.3110,
0.4173

Harmonies

Analogous

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



21.1367, 0.2302, 0.1955



21.1367, 0.3130, 0.2208



21.1367, 0.4096, 0.2671

Triad

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



21.1367, 0.3130, 0.2208



21.1367, 0.4526, 0.4564



21.1367, 0.1685, 0.2957

Complementary

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



21.1367, 0.3130, 0.2208



35.6273, 0.3093, 0.4638

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.



21.1367, 0.2140, 0.3978



21.1367, 0.3130, 0.2208



21.1367, 0.3775, 0.5002

Square

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



21.1367, 0.3130, 0.2208



21.1367, 0.4942, 0.3920



21.1367, 0.2903, 0.4845



21.1367, 0.1577, 0.2266

Rectangle

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



21.1367, 0.3130, 0.2208



21.1367, 0.4625, 0.3059



21.1367, 0.2903, 0.4845



21.1367, 0.1796, 0.3274

Sweetspot

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



21.1376, 0.3130, 0.2208



64.9274, 0.3131, 0.2969



15.8150, 0.2322, 0.2023



13.8643, 0.3131, 0.2914



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1376, 0.3130, 0.2208



32.9294, 0.3126, 0.2004



20.3913, 0.3616, 0.2649



8.6246, 0.3130, 0.3065



8.3493, 0.3086, 0.1474



0.2693, 0.3122, 0.1494

Inverse Universe

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



19.3629, 0.4222, 0.3235



29.3582, 0.4603, 0.3227



36.1979, 0.2830, 0.4047



8.5119, 0.3279, 0.3279



6.7891, 0.6335, 0.3263



0.2159, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 21.1367, 0.3130, 0.2208 looks on a white background.

Color Contrast Check

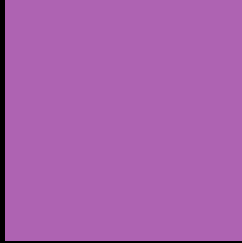
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1367, 0.3130, 0.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

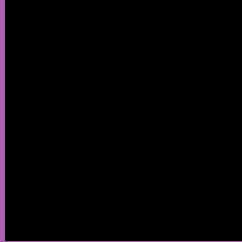
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1367, 0.3130, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 21.1367, 0.3130, 0.2208.



This preview shows how white text looks on a background with the Yxy color 21.1367, 0.3130, 0.2208.

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

21.1367, 0.3130, 0.2208

Protanopia

21.5001, 0.2259, 0.2121

Deuteranopia

21.1951, 0.2540, 0.2483



Tritanopia

21.1599, 0.3760, 0.3167

Trichromacy



Original Color

21.1367, 0.3130, 0.2208

Protanomaly

20.7644, 0.2511, 0.2137

Deuteranomaly

20.7368, 0.2724, 0.2356

Tritanomaly

20.9845, 0.3530, 0.2780

Monochromacy



Original Color

21.1367, 0.3130, 0.2208

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.4112, 0.3137, 0.2832

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1367, 0.3130, 0.2208 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(174, 99, 178)` looks like.

```
.text, #text, p{  
    color:rgb(174, 99, 178)  
}
```

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(174, 99, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 99, 178) }
```

Border

The CSS property to change the border of an element to Yxy 21.1367, 0.3130, 0.2208 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(174, 99, 178) }
```

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

```
.border{ border-color:rgb(174, 99, 178) }
```

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

Here you see how a box with a 4 pixel rgb(174, 99, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 99, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 99, 178);  
box-shadow:4px 4px 4px 4px rgb(174, 99,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1367, 0.3130, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 99, 178) }
```

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

```
.background{ background-color: rgb(174, 99,  
178) }
```

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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