

Converting Colors

$Y_{xy}(21.3107, 0.3040, 0.2127)$

Have a look what the booklet for
Yxy(21.3107, 0.3040, 0.2127)
contains.

Yxy(21.3107, 0.3040, 0.2127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3107, 0.3040, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	AD63B9
RGB	173, 99, 185
RGB Percent	68%, 39%, 73%
CMY	0.3215, 0.6118, 0.2744
CMYK	0.06, 0.47, 0.00, 0.27
HSL	292°, 38%, 56%
HSV	292°, 47%, 73%
XYZ	30.4582, 21.3107, 48.4225
YIQ	130.9300, 16.4980, 42.4340

Conversions

Conversions Part 2

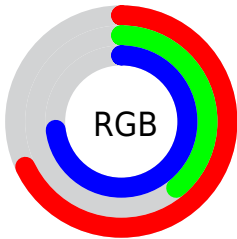
Format	Color
R_{YB}	173, 99, 185
Decimal	11363257
CIE _{Lab}	53.29, 43.50, -33.20
CIE _{LCh}	53, 54.723, 322.651
Yxy	21.3107, 0.3040, 0.2127
Android (android.graphics.Color)	4289553337 (0xFFAD63B9)
YUV	130.9300, 26.6565, 36.8954
Hunter-Lab	46.1635, 36.9862, -29.8768

Details

The Yxy color **21.3107, 0.3040, 0.2127** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.9894, 0.3148, 0.4692**, and the grayscale version is **22.5695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6303, 0.3075, 0.2349**, and **7.6745, 0.2987, 0.1797** is the 20% darker color. If you saturate the color by 10%, you get **17.9074, 0.3011, 0.1903**, and if you desaturate by 10%, it is **25.5246, 0.3066, 0.2372**.

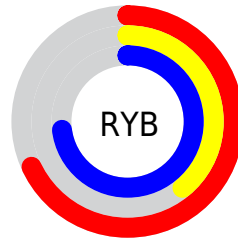
Distribution



Red (68%)

Green (39%)

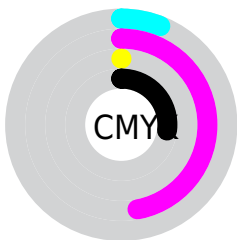
Blue (73%)



Red (68%)

Yellow (39%)

Blue (73%)

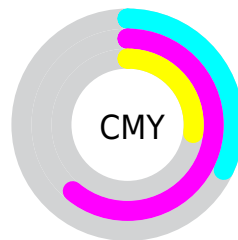


Cyan (6%)

Magenta (47%)

Yellow (0%)

Black (27%)



Cyan (32%)


Magenta (61%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3107, 0.3040, 0.2127 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 21.3107, 0.3040, 0.2127 by changing the saturation by 10% instead.


 21.3107, 0.3040,
0.2127


 21.3107, 0.3040,
0.2127


258.9251, 0.3109,
0.2720


 13.3513, 0.3013,
0.1978


 45.6041, 0.3072,
0.2344

 7.6709, 0.2973,
0.1789


 62.7068, 0.3082,
0.2425

 3.8851, 0.2908,
0.1541


 83.6261, 0.3089,
0.2493

 1.6095, 0.2795,
0.1209

 108.7464, 0.3095,
0.2552

 0.3640, 0.2616,
0.0617

138.4521, 0.3099,
0.2603

 0.0000, 0.1798,
0.0000

173.1275, 0.3103,

 0.0000, 0.0000,

0.2647

0.0000

213.1570, 0.3106,
0.2686

■ 21.3107, 0.3040,
0.2127

■ 21.3107, 0.3040,
0.2127

■ 17.9074, 0.3011,
0.1903

■ 25.5246, 0.3066,
0.2372

■ 15.2563, 0.2978,
0.1708

■ 30.5967, 0.3088,
0.2627

■ 13.2957, 0.2944,
0.1552

■ 36.5742, 0.3105,
0.2883

■ 11.9525, 0.2908,
0.1439

■ 43.5000, 0.3120,
0.3133

■ 11.1297, 0.2872,
0.1369

■ 51.4143, 0.3131,
0.3372

■ 10.8964, 0.2859,
0.1349

■ 60.3549, 0.3139,
0.3596

■ 70.3578, 0.3144,
0.3804

■ 81.4570, 0.3148,
0.3995

■ 86.7945, 0.3158,
0.4070

Harmonies

Analogous

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



21.3107, 0.2200, 0.1886



21.3107, 0.3040, 0.2127



21.3107, 0.4063, 0.2591

Triad

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



21.3107, 0.3040, 0.2127



21.3107, 0.4640, 0.4554



21.3107, 0.1643, 0.3014

Complementary

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



21.3107, 0.3040, 0.2127



38.9894, 0.3148, 0.4692

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.



21.3107, 0.2144, 0.4117



21.3107, 0.3040, 0.2127



21.3107, 0.3869, 0.5070

Square

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



21.3107, 0.3040, 0.2127



21.3107, 0.5047, 0.3870



21.3107, 0.2960, 0.4993



21.3107, 0.1506, 0.2257

Rectangle

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



21.3107, 0.3040, 0.2127



21.3107, 0.4648, 0.2985



21.3107, 0.2960, 0.4993



21.3107, 0.1768, 0.3359

Sweetspot

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



21.3116, 0.3040, 0.2127



68.1496, 0.3109, 0.2940



17.7202, 0.2297, 0.2068



14.1489, 0.3106, 0.2886



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.3116, 0.3040, 0.2127



31.8396, 0.3009, 0.1894



21.6023, 0.3553, 0.2526



9.0975, 0.3116, 0.3063



7.4407, 0.2864, 0.1351



0.2799, 0.2958, 0.1403

Inverse Universe

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



20.3862, 0.4190, 0.3124



30.1318, 0.4581, 0.3096



38.9493, 0.2866, 0.4218



9.0321, 0.3266, 0.3258



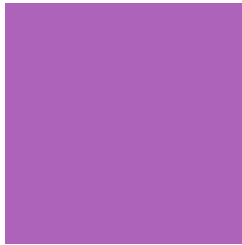
7.0799, 0.6192, 0.3185



0.2562, 0.5617, 0.2868

Previews

White Background



This preview shows how the Yxy color 21.3107, 0.3040, 0.2127 looks on a white background.

Color Contrast Check

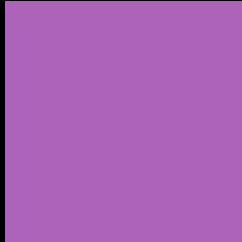
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3107, 0.3040, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

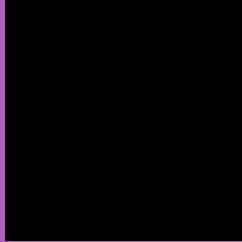
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3107, 0.3040, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 21.3107, 0.3040, 0.2127.

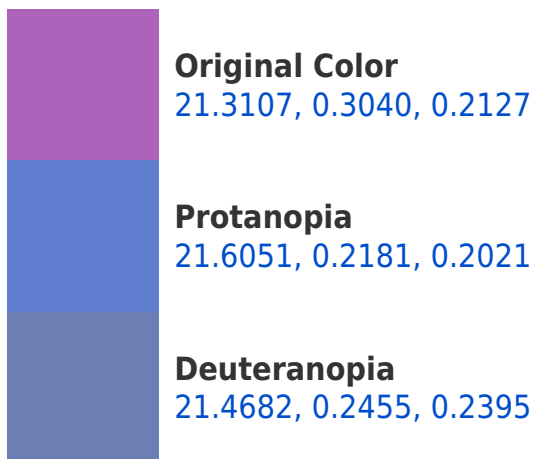


This preview shows how white text looks on a background with the Yxy color 21.3107, 0.3040, 0.2127.

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

21.3323, 0.3686, 0.3165

Trichromacy



Original Color

21.3107, 0.3040, 0.2127

Protanomaly

20.8253, 0.2417, 0.2036

Deuteranomaly

20.7737, 0.2632, 0.2259

Tritanomaly

21.1971, 0.3435, 0.2746

Monochromacy



Original Color

21.3107, 0.3040, 0.2127

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.5390, 0.3092, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3107, 0.3040, 0.2127 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(173, 99, 185)` looks like.

```
.text, #text, p{  
    color:rgb(173, 99, 185)  
}
```

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(173, 99, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 99, 185) }
```

Border

The CSS property to change the border of an element to Yxy 21.3107, 0.3040, 0.2127 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(173, 99, 185) }
```

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

```
.border{ border-color:rgb(173, 99, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 99, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 99, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 99, 185);  
box-shadow:4px 4px 4px 4px rgb(173, 99,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3107, 0.3040, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 99, 185) }
```

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

```
.background{ background-color: rgb(173, 99,  
185) }
```

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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