

Converting Colors

$Y_{xy}(21.5321, 0.3137, 0.2313)$

Have a look what the booklet for
Yxy(21.5321, 0.3137, 0.2313)
contains.

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Color

Yxy(21.4638, 0.3137, 0.2316)

Conversions

Conversions Part 1

Format	Color
Hex	AA68AD
RGB	170, 104, 173
RGB Percent	67%, 41%, 68%
CMY	0.3333, 0.5922, 0.3216
CMYK	0.02, 0.40, 0.00, 0.32
HSL	297°, 30%, 54%
HSV	297°, 40%, 68%
XYZ	29.0725, 21.4638, 42.1399
YIQ	131.6000, 17.1870, 35.4510

Conversions

Conversions Part 2

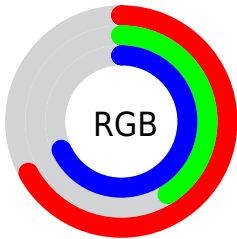
Format	Color
R_{YB}	170, 104, 173
Decimal	11167917
CIE _{Lab}	53.45, 37.52, -26.00
CIE _{LCh}	53, 45.649, 325.276
Yxy	21.4638, 0.3137, 0.2316
Android (android.graphics.Color)	4289357997 (0xFFAA68AD)
YUV	131.6000, 20.4102, 33.6768
Hunter-Lab	46.3290, 30.9369, -21.4985

Details

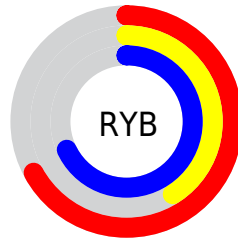
The Yxy color **21.4638, 0.3137, 0.2316** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.0061, 0.3095, 0.4479**, and the grayscale version is **22.8442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9398, 0.3138, 0.2504**, and **7.7074, 0.3114, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **18.2495, 0.3136, 0.2093**, and if you desaturate by 10%, it is **25.3947, 0.3136, 0.2556**.

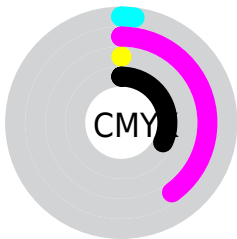
Distribution



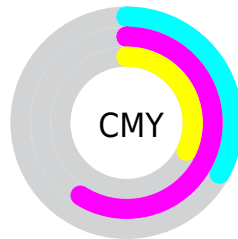
- Red (67%)
- Green (41%)
- Blue (68%)



- Red (67%)
- Yellow (41%)
- Blue (68%)



- Cyan (2%)
- Magenta (40%)
- Yellow (0%)
- Black (32%)





- Cyan (33%)
- Magenta (59%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4638, 0.3137, 0.2316 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 21.4638, 0.3137, 0.2316 by changing the saturation by 10% instead.


 21.4638, 0.3137,
0.2316


 21.4638, 0.3137,
0.2316


259.7332, 0.3147,
0.2823


 13.4634, 0.3128,
0.2185


 45.8582, 0.3145,
0.2504


 7.7484, 0.3113,
0.2014


 63.0210, 0.3146,
0.2574

 3.9344, 0.3084,
0.1784


 84.0067, 0.3147,
0.2632

 1.6369, 0.3026,
0.1464

 109.1997, 0.3147,
0.2682

 0.3823, 0.2946,
0.0828

138.9845, 0.3147,
0.2724

 0.0000, 0.1806,
0.0000

173.7454, 0.3147,

 0.0000, 0.0000,

0.2761

0.0000

213.8668, 0.3147,
0.2794

■ 21.4638, 0.3137,
0.2316

■ 21.4638, 0.3137,
0.2316

■ 18.2495, 0.3136,
0.2093

■ 25.3947, 0.3136,
0.2556

■ 15.7051, 0.3133,
0.1896

■ 30.0798, 0.3134,
0.2804

■ 13.7827, 0.3128,
0.1733

■ 35.5572, 0.3131,
0.3052


■ 12.4268, 0.3121,
0.1610


■ 41.8616, 0.3127,
0.3293

■ 11.5721, 0.3112,
0.1530


■ 49.0259, 0.3122,
0.3522


 11.0794, 0.3102,
0.1483

 57.0809, 0.3117,
0.3737

 11.0741, 0.3102,
0.1483

 66.0561, 0.3112,
0.3936

 75.9795, 0.3107,
0.4119

 83.8512, 0.3104,
0.4241

Harmonies

Analogous

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



21.4638, 0.2395, 0.2085



21.4638, 0.3137, 0.2316



21.4638, 0.3983, 0.2742

Triad

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



21.4638, 0.3137, 0.2316



21.4638, 0.4393, 0.4452



21.4638, 0.1834, 0.3011

Complementary

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



21.4638, 0.3137, 0.2316



34.0061, 0.3095, 0.4479

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.



21.4638, 0.2256, 0.3892



21.4638, 0.3137, 0.2316



21.4638, 0.3728, 0.4801

Square

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



21.4638, 0.3137, 0.2316



21.4638, 0.4743, 0.3887



21.4638, 0.2947, 0.4633



21.4638, 0.1727, 0.2387

Rectangle

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



21.4638, 0.3137, 0.2316



21.4638, 0.4445, 0.3099



21.4638, 0.2947, 0.4633



21.4638, 0.1939, 0.3289

Sweetspot

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



21.4647, 0.3137, 0.2316



61.2770, 0.3132, 0.2995



16.5683, 0.2414, 0.2155



13.0437, 0.3132, 0.2964



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.4647, 0.3137, 0.2316



33.2321, 0.3136, 0.2115



20.7342, 0.3563, 0.2730



8.1302, 0.3131, 0.3066



8.1433, 0.3103, 0.1483



0.2318, 0.3138, 0.1502

Inverse Universe

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



19.8438, 0.4064, 0.3248



29.9498, 0.4398, 0.3240



34.5762, 0.2847, 0.3934



8.0207, 0.3280, 0.3281



6.5410, 0.6343, 0.3268



0.1837, 0.6099, 0.3134

Previews

White Background



This preview shows how the Yxy color 21.4638, 0.3137, 0.2316 looks on a white background.

Color Contrast Check

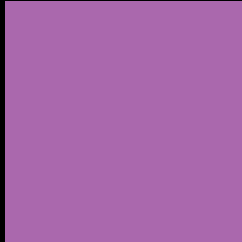
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4638, 0.3137, 0.2316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

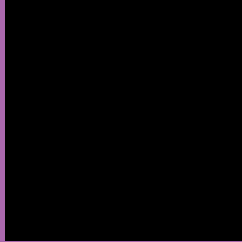
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4638, 0.3137, 0.2316

Background



This preview shows how black text looks on a background with the Yxy color 21.4638, 0.3137, 0.2316.



This preview shows how white text looks on a background with the Yxy color 21.4638, 0.3137, 0.2316.

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

21.4638, 0.3137, 0.2316

Protanopia

21.7036, 0.2362, 0.2258

Deuteranopia

21.6378, 0.2621, 0.2567



Tritanopia

21.4781, 0.3656, 0.3165

Trichromacy



Original Color

21.4638, 0.3137, 0.2316



Protanomaly

21.0847, 0.2589, 0.2257



Deuteranomaly

21.1775, 0.2794, 0.2460



Tritanomaly

21.3990, 0.3470, 0.2832

Monochromacy



Original Color

21.4638, 0.3137, 0.2316



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

22.1366, 0.3134, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4638, 0.3137, 0.2316 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(170, 104, 173)` looks like.

```
.text, #text, p{  
    color:rgb(170, 104, 173)  
}
```

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(170, 104, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 104, 173) }
```

Border

The CSS property to change the border of an element to Yxy 21.4638, 0.3137, 0.2316 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(170, 104, 173) }
```

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

```
.border{ border-color:rgb(170, 104, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 104, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 104, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 104, 173);  
box-shadow:4px 4px 4px 4px rgb(170, 104,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4638, 0.3137, 0.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 104, 173) }
```

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

```
.background{ background-color: rgb(170,  
104, 173) }
```

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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