

Converting Colors

$Y_{xy}(21.5081, 0.3292, 0.2448)$

Have a look what the booklet for
Yxy(21.5081, 0.3292, 0.2448)
contains.

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Color

Yxy(21.4292, 0.3291, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	AD68A3
RGB	173, 104, 163
RGB Percent	68%, 41%, 64%
CMY	0.3215, 0.5922, 0.3607
CMYK	0.00, 0.40, 0.06, 0.32
HSL	309°, 30%, 54%
HSV	309°, 40%, 68%
XYZ	28.7969, 21.4292, 37.2758
YIQ	131.3570, 22.1850, 32.9770

Conversions

Conversions Part 2

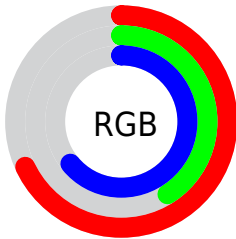
Format	Color
R _Y B	173, 104, 163
Decimal	11364515
CIE Lab	53.42, 36.61, -20.23
CIE LCh	53, 41.829, 331.079
Yxy	21.4292, 0.3291, 0.2449
Android (android.graphics.Color)	4289554595 (0xFFAD68A3)
YUV	131.3570, 15.6000, 36.5209
Hunter-Lab	46.2917, 30.0298, -15.3383

Details

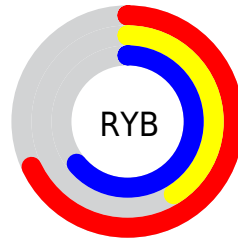
The Yxy color **21.4292, 0.3291, 0.2449** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **34.0475, 0.3000, 0.4311**, and the grayscale version is **22.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9989, 0.3267, 0.2621**, and **7.7080, 0.3331, 0.2177** is the 20% darker color. If you saturate the color by 10%, you get **18.2085, 0.3343, 0.2254**, and if you desaturate by 10%, it is **25.3681, 0.3243, 0.2658**.

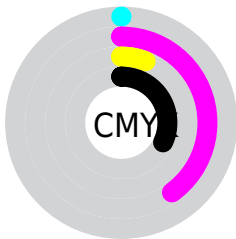
Distribution



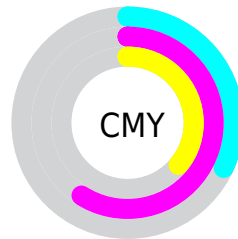
- Red (68%)
- Green (41%)
- Blue (64%)



- Red (68%)
- Yellow (41%)
- Blue (64%)



- Cyan (0%)
- Magenta (40%)
- Yellow (6%)
- Black (32%)




- Cyan (32%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4292, 0.3291, 0.2449 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 21.4292, 0.3291, 0.2449 by changing the saturation by 10% instead.


 21.4292, 0.3291,
0.2449


 21.4292, 0.3291,
0.2449


259.5507, 0.3212,
0.2892


 13.4381, 0.3309,
0.2332


 45.8008, 0.3263,
0.2615

 7.7309, 0.3331,
0.2177


 62.9500, 0.3253,
0.2676

 3.9232, 0.3356,
0.1966


 83.9207, 0.3243,
0.2727

 1.6307, 0.3382,
0.1663

 109.0974, 0.3235,
0.2770

 0.3782, 0.3475,
0.0993

138.8643, 0.3228,
0.2807

 0.0000, 0.2446,
0.0000

173.6059, 0.3222,

 0.0000, 0.0000,

0.2839

0.0000

213.7066, 0.3217,
0.2867

■ 21.4292, 0.3291,
0.2449

■ 21.4292, 0.3291,
0.2449

■ 18.2085, 0.3343,
0.2254

■ 25.3681, 0.3243,
0.2658

■ 15.6591, 0.3397,
0.2081

■ 30.0626, 0.3200,
0.2873

■ 13.7330, 0.3452,
0.1941


■ 35.5509, 0.3161,
0.3086


■ 12.3749, 0.3507,
0.1841


■ 41.8678, 0.3127,
0.3292


■ 11.5193, 0.3560,
0.1784


■ 49.0460, 0.3097,
0.3488


 11.0269, 0.3610,
0.1763

 57.1166, 0.3072,
0.3672

 11.0218, 0.3610,
0.1762

 66.1090, 0.3050,
0.3842

 76.0511, 0.3032,
0.3999

 83.9316, 0.3017,
0.4096

Harmonies

Analogous

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



21.4292, 0.2569, 0.2193



21.4292, 0.3291, 0.2449



21.4292, 0.4050, 0.2878

Triad

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



21.4292, 0.3291, 0.2449



21.4292, 0.4205, 0.4459



21.4292, 0.1885, 0.2908

Complementary

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



21.4292, 0.3291, 0.2449



34.0475, 0.3000, 0.4311

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.



21.4292, 0.2228, 0.3683



21.4292, 0.3291, 0.2449



21.4292, 0.3558, 0.4687

Square

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



21.4292, 0.3291, 0.2449



21.4292, 0.4588, 0.3967



21.4292, 0.2834, 0.4411



21.4292, 0.1836, 0.2384

Rectangle

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



21.4292, 0.3291, 0.2449



21.4292, 0.4428, 0.3225



21.4292, 0.2834, 0.4411



21.4292, 0.1966, 0.3147

Sweetspot

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



21.4302, 0.3291, 0.2449



61.2524, 0.3169, 0.3037



16.4415, 0.2495, 0.2122



13.0379, 0.3174, 0.3011



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.



21.4302, 0.3291, 0.2449



33.1550, 0.3337, 0.2273



20.3783, 0.3740, 0.2912



8.1278, 0.3159, 0.3098



8.1029, 0.3605, 0.1760



0.2308, 0.3469, 0.1684

Inverse Universe

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



21.4302, 0.3291, 0.2449



33.1550, 0.3337, 0.2273



34.9616, 0.2757, 0.3711



8.1278, 0.3159, 0.3098



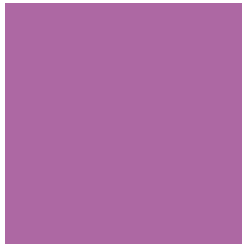
8.1029, 0.3605, 0.1760



0.2308, 0.3469, 0.1684

Previews

White Background



This preview shows how the Yxy color 21.4292, 0.3291, 0.2449 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 21.4292, 0.3291, 0.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

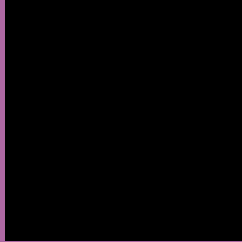
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4292, 0.3291, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 21.4292, 0.3291, 0.2449.



This preview shows how white text looks on a background with the Yxy color 21.4292, 0.3291, 0.2449.

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

21.4292, 0.3291, 0.2449

Protanopia

21.6617, 0.2481, 0.2401

Deuteranopia

21.5304, 0.2778, 0.2713



Tritanopia

21.5156, 0.3755, 0.3168

Trichromacy



Original Color

21.4292, 0.3291, 0.2449

Protanomaly

21.0812, 0.2725, 0.2399

Deuteranomaly

21.0114, 0.2948, 0.2596

Tritanomaly

21.4755, 0.3589, 0.2898

Monochromacy



Original Color

21.4292, 0.3291, 0.2449

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.7689, 0.3180, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4292, 0.3291, 0.2449 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, 104, 163)` looks like.

```
.text, #text, p{  
    color:rgb(173, 104, 163)  
}
```

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, 104, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 104, 163) }
```

Border

The CSS property to change the border of an element to Yxy 21.4292, 0.3291, 0.2449 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, 104, 163) }
```

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

```
.border{ border-color:rgb(173, 104, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 104, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 104, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 104, 163);  
box-shadow:4px 4px 4px 4px rgb(173, 104,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4292, 0.3291, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 104, 163) }
```

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

```
.background{ background-color: rgb(173,  
104, 163) }
```

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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