

Converting Colors

$Y_{xy}(21.4744, 0.3298, 0.2506)$

Have a look what the booklet for
Yxy(21.4744, 0.3298, 0.2506)
contains.

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Color

Yxy(21.5041, 0.3301, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	AB6AA0
RGB	171, 106, 160
RGB Percent	67%, 42%, 63%
CMY	0.3294, 0.5843, 0.3726
CMYK	0.00, 0.38, 0.06, 0.33
HSL	310°, 28%, 54%
HSV	310°, 38%, 67%
XYZ	28.2922, 21.5041, 35.9116
YIQ	131.5910, 21.4060, 30.5740

Conversions

Conversions Part 2

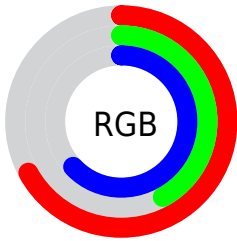
Format	Color
R_{YB}	171, 106, 160
Decimal	11233952
CIE _{Lab}	53.50, 34.29, -18.36
CIE _{LCh}	53, 38.897, 331.833
Yxy	21.5041, 0.3301, 0.2509
Android (android.graphics.Color)	4289424032 (0xFFAB6AA0)
YUV	131.5910, 14.0056, 34.5617
Hunter-Lab	46.3725, 27.7521, -13.4543

Details

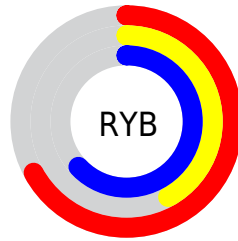
The Yxy color **21.5041, 0.3301, 0.2509** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.4738, 0.2993, 0.4224**, and the grayscale version is **22.8633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0335, 0.3265, 0.2667**, and **7.6930, 0.3348, 0.2248** is the 20% darker color. If you saturate the color by 10%, you get **18.2246, 0.3359, 0.2315**, and if you desaturate by 10%, it is **25.4906, 0.3247, 0.2715**.

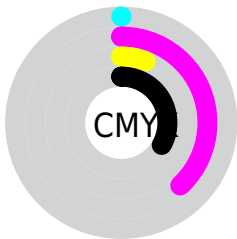
Distribution



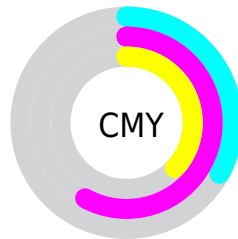
- Red (67%)
- Green (42%)
- Blue (63%)



- Red (67%)
- Yellow (42%)
- Blue (63%)



- Cyan (0%)
- Magenta (38%)
- Yellow (6%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5041, 0.3301, 0.2509 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 21.5041, 0.3301, 0.2509 by changing the saturation by 10% instead.


 21.5041, 0.3301,
0.2509


 21.5041, 0.3301,
0.2509


259.9455, 0.3214,
0.2923


 13.4930, 0.3322,
0.2398


 45.9250, 0.3270,
0.2665


 7.7689, 0.3348,
0.2252


 63.1036, 0.3258,
0.2722

 3.9474, 0.3380,
0.2051


 84.1067, 0.3248,
0.2769

 1.6442, 0.3419,
0.1757

 109.3189, 0.3239,
0.2809

 0.3871, 0.3541,
0.1088

139.1245, 0.3232,
0.2844

 0.0000, 0.2342,
0.0000

173.9078, 0.3225,

 0.0000, 0.0000,

0.2873

0.0000

214.0534, 0.3220,
0.2899

■ 21.5041, 0.3301,
0.2509

■ 21.5041, 0.3301,
0.2509

■ 18.2246, 0.3359,
0.2315

■ 25.4906, 0.3247,
0.2715

■ 15.6073, 0.3422,
0.2141

■ 30.2197, 0.3199,
0.2924

■ 13.6065, 0.3486,
0.1997


■ 35.7282, 0.3157,
0.3130


■ 12.1698, 0.3551,
0.1891


■ 42.0495, 0.3120,
0.3329


■ 11.2360, 0.3614,
0.1829

■ 49.2150, 0.3088,
0.3517


 10.7029, 0.3675,
0.1808

 57.2546, 0.3061,
0.3692

 10.6114, 0.3687,
0.1805

 66.1966, 0.3038,
0.3855

 76.0681, 0.3019,
0.4004

 83.7250, 0.3003,
0.4093

Harmonies

Analogous

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



21.5041, 0.2623, 0.2262



21.5041, 0.3301, 0.2509



21.5041, 0.4001, 0.2919

Triad

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



21.5041, 0.3301, 0.2509



21.5041, 0.4127, 0.4397



21.5041, 0.1958, 0.2925

Complementary

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



21.5041, 0.3301, 0.2509



33.4738, 0.2993, 0.4224

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.



21.5041, 0.2278, 0.3637



21.5041, 0.3301, 0.2509



21.5041, 0.3521, 0.4583

Square

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



21.5041, 0.3301, 0.2509



21.5041, 0.4487, 0.3949



21.5041, 0.2844, 0.4308



21.5041, 0.1916, 0.2437

Rectangle

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



21.5041, 0.3301, 0.2509



21.5041, 0.4345, 0.3249



21.5041, 0.2844, 0.4308



21.5041, 0.2034, 0.3145

Sweetspot

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



21.5051, 0.3301, 0.2509



60.6886, 0.3170, 0.3065



17.0209, 0.2554, 0.2193



13.2411, 0.3175, 0.3038



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.



21.5051, 0.3301, 0.2509



33.2773, 0.3352, 0.2337



20.5173, 0.3729, 0.2963



8.1244, 0.3162, 0.3104



8.0066, 0.3681, 0.1802



0.2288, 0.3517, 0.1711

Inverse Universe

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



21.5051, 0.3301, 0.2509



33.2773, 0.3352, 0.2337



34.3697, 0.2757, 0.3650



8.1244, 0.3162, 0.3104



8.0066, 0.3681, 0.1802



0.2288, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 21.5041, 0.3301, 0.2509 looks on a white background.

Color Contrast Check

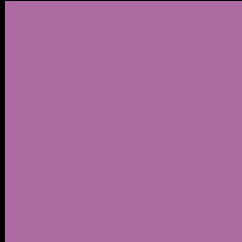
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5041, 0.3301, 0.2509 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 21.5041, 0.3301, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 21.5041, 0.3301, 0.2509.



This preview shows how white text looks on a background with the Yxy color 21.5041, 0.3301, 0.2509.

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

21.5041, 0.3301, 0.2509

Protanopia

21.8513, 0.2538, 0.2491

Deuteranopia

21.5032, 0.2817, 0.2761



Tritanopia

21.5468, 0.3712, 0.3167

Trichromacy



Original Color

21.5041, 0.3301, 0.2509

Protanomaly

21.2468, 0.2774, 0.2472

Deuteranomaly

21.1420, 0.2980, 0.2656

Tritanomaly

21.4713, 0.3561, 0.2909

Monochromacy



Original Color

21.5041, 0.3301, 0.2509

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.2299, 0.3190, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5041, 0.3301, 0.2509 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(171, 106, 160)` looks like.

```
.text, #text, p{  
    color:rgb(171, 106, 160)  
}
```

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(171, 106, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 106, 160) }
```

Border

The CSS property to change the border of an element to Yxy 21.5041, 0.3301, 0.2509 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(171, 106, 160) }
```

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

```
.border{ border-color:rgb(171, 106, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 106, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 106, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 106, 160);  
box-shadow:4px 4px 4px 4px rgb(171, 106,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5041, 0.3301, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 106, 160) }
```

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

```
.background{ background-color: rgb(171,  
106, 160) }
```

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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