

Converting Colors

$Y_{xy}(21.3370, 0.3161, 0.2318)$

Have a look what the booklet for
Yxy(21.3370, 0.3161, 0.2318)
contains.

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Color

Yxy(21.3370, 0.3161, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	AB67AC
RGB	171, 103, 172
RGB Percent	67%, 40%, 67%
CMY	0.3293, 0.5961, 0.3255
CMYK	0.01, 0.40, 0.00, 0.33
HSL	299°, 29%, 54%
HSV	299°, 40%, 67%
XYZ	29.0967, 21.3370, 41.6154
YIQ	131.1980, 18.3790, 35.8750

Conversions

Conversions Part 2

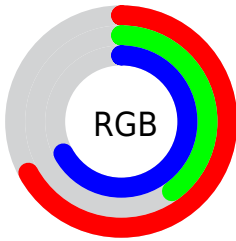
Format	Color
R _{YB}	171, 103, 172
Decimal	11233196
CIE _{Lab}	53.32, 38.20, -25.63
CIE _{LCh}	53, 46.005, 326.141
Yxy	21.3370, 0.3161, 0.2318
Android (android.graphics.Color)	4289423276 (0xFFAB67AC)
YUV	131.1980, 20.1154, 34.9064
Hunter-Lab	46.1920, 31.6028, -21.0813

Details

The Yxy color **21.3370, 0.3161, 0.2318** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.4251, 0.3078, 0.4493**, and the grayscale version is **22.6935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8724, 0.3164, 0.2507**, and **7.6600, 0.3150, 0.2021** is the 20% darker color. If you saturate the color by 10%, you get **18.2346, 0.3167, 0.2100**, and if you desaturate by 10%, it is **25.1451, 0.3153, 0.2555**.

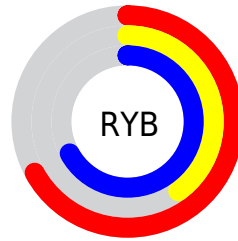
Distribution



Red (67%)

Green (40%)

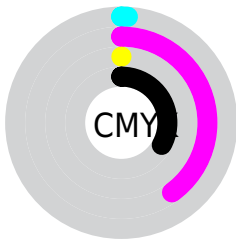
Blue (67%)



Red (67%)

Yellow (40%)

Blue (67%)

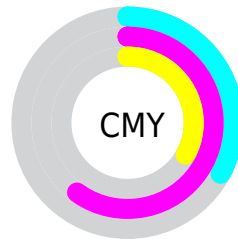


Cyan (1%)

Magenta (40%)

Yellow (0%)

Black (33%)



Cyan (33%)


Magenta (60%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3370, 0.3161, 0.2318 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 21.3370, 0.3161, 0.2318 by changing the saturation by 10% instead.


 21.3370, 0.3161,
0.2318


 21.3370, 0.3161,
0.2318


259.0641, 0.3158,
0.2824


 13.3706, 0.3156,
0.2187


 45.6477, 0.3164,
0.2506

 7.6842, 0.3146,
0.2016


 62.7608, 0.3163,
0.2575

 3.8936, 0.3124,
0.1786


 83.6915, 0.3163,
0.2634

 1.6142, 0.3075,
0.1465

 108.8243, 0.3162,
0.2683

 0.3671, 0.3017,
0.0813

138.5436, 0.3161,
0.2726

 0.0000, 0.1886,
0.0000

173.2337, 0.3160,

 0.0000, 0.0000,

0.2763

0.0000

213.2791, 0.3159,
0.2795

■ 21.3370, 0.3161,
0.2318

■ 21.3370, 0.3161,
0.2318

■ 18.2346, 0.3167,
0.2100

■ 25.1451, 0.3153,
0.2555

■ 15.7917, 0.3172,
0.1909

■ 29.6958, 0.3145,
0.2800

■ 13.9608, 0.3176,
0.1753


■ 35.0269, 0.3136,
0.3046

■ 12.6871, 0.3177,
0.1637

■ 41.1728, 0.3127,
0.3287

■ 11.9060, 0.3176,
0.1564


■ 48.1657, 0.3118,
0.3517

 11.4791, 0.3175,
0.1522

 56.0363, 0.3110,
0.3733

 64.8134, 0.3102,
0.3934

 74.5250, 0.3094,
0.4118

 83.4063, 0.3089,
0.4259

Harmonies

Analogous

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



21.3370, 0.2406, 0.2079



21.3370, 0.3161, 0.2318



21.3370, 0.4015, 0.2751

Triad

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



21.3370, 0.3161, 0.2318



21.3370, 0.4387, 0.4475



21.3370, 0.1816, 0.2985

Complementary

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



21.3370, 0.3161, 0.2318



33.4251, 0.3078, 0.4493

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.



21.3370, 0.2231, 0.3872



21.3370, 0.3161, 0.2318



21.3370, 0.3710, 0.4819

Square

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



21.3370, 0.3161, 0.2318



21.3370, 0.4753, 0.3907



21.3370, 0.2921, 0.4633



21.3370, 0.1717, 0.2365

Rectangle

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



21.3370, 0.3161, 0.2318



21.3370, 0.4475, 0.3112



21.3370, 0.2921, 0.4633



21.3370, 0.1918, 0.3262

Sweetspot

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



21.3379, 0.3161, 0.2318



61.4016, 0.3138, 0.2995



15.7892, 0.2403, 0.2107



13.0735, 0.3139, 0.2965



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.



21.3379, 0.3161, 0.2318



33.7240, 0.3167, 0.2126



20.3221, 0.3598, 0.2760



8.1423, 0.3135, 0.3066



8.5442, 0.3175, 0.1523



0.2395, 0.3186, 0.1529

Inverse Universe

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



19.4669, 0.4102, 0.3278



29.8740, 0.4439, 0.3276



34.1759, 0.2829, 0.3897



8.0171, 0.3284, 0.3287



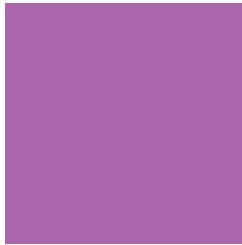
6.5314, 0.6382, 0.3289



0.1823, 0.6298, 0.3243

Previews

White Background



This preview shows how the Yxy color 21.3370, 0.3161, 0.2318 looks on a white background.

Color Contrast Check

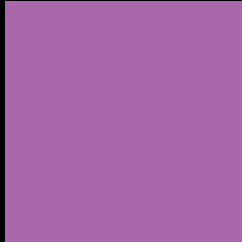
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3370, 0.3161, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

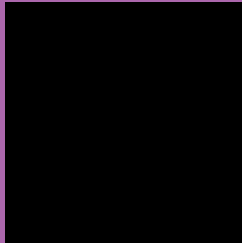
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3370, 0.3161, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 21.3370, 0.3161, 0.2318.



This preview shows how white text looks on a background with the Yxy color 21.3370, 0.3161, 0.2318.

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

21.3370, 0.3161, 0.2318

Protanopia

21.7036, 0.2362, 0.2258

Deuteranopia

21.6004, 0.2630, 0.2582



Tritanopia

21.4391, 0.3699, 0.3166

Trichromacy



Original Color

21.3370, 0.3161, 0.2318

Protanomaly

21.1216, 0.2607, 0.2272

Deuteranomaly

21.1398, 0.2804, 0.2474

Tritanomaly

21.2608, 0.3498, 0.2833

Monochromacy



Original Color

21.3370, 0.3161, 0.2318

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8611, 0.3146, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3370, 0.3161, 0.2318 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, 103, 172)` looks like.

```
.text, #text, p{  
    color:rgb(171, 103, 172)  
}
```

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, 103, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 103, 172) }
```

Border

The CSS property to change the border of an element to Yxy 21.3370, 0.3161, 0.2318 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, 103, 172) }
```

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

```
.border{ border-color:rgb(171, 103, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 103, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 103, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 103, 172);  
box-shadow:4px 4px 4px 4px rgb(171, 103,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3370, 0.3161, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 103, 172) }
```

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

```
.background{ background-color: rgb(171,  
103, 172) }
```

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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