

Converting Colors

$Y_{xy}(21.3735, 0.3715, 0.2996)$

Have a look what the booklet for
Yxy(21.3735, 0.3715, 0.2996)
contains.

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Color

Yxy(21.2929, 0.3713, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	AC6D81
RGB	172, 109, 129
RGB Percent	67%, 43%, 51%
CMY	0.3255, 0.5725, 0.4942
CMYK	0.00, 0.37, 0.25, 0.33
HSL	341°, 28%, 55%
HSV	341°, 37%, 67%
XYZ	26.4417, 21.2929, 23.4792
YIQ	130.1170, 31.1280, 19.5760

Conversions

Conversions Part 2

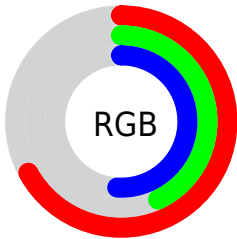
Format	Color
R _Y B	172, 109, 129
Decimal	11300225
CIE Lab	53.27, 27.83, -0.50
CIE LCh	53, 27.836, 358.962
Yxy	21.2929, 0.3713, 0.2990
Android (android.graphics.Color)	4289490305 (0xFFAC6D81)
YUV	130.1170, -0.5507, 36.7314
Hunter-Lab	46.1442, 21.5320, 2.1330

Details

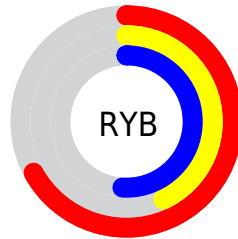
The Yxy color **21.2929, 0.3713, 0.2990** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **35.0206, 0.2761, 0.3617**, and the grayscale version is **22.3609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5252, 0.3585, 0.3050**, and **7.6625, 0.3944, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **17.6814, 0.3957, 0.2909**, and if you desaturate by 10%, it is **25.6603, 0.3509, 0.3075**.

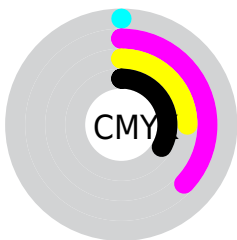
Distribution



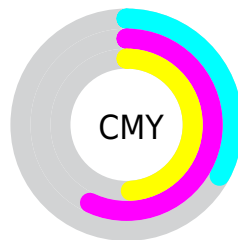
- Red (67%)
- Green (43%)
- Blue (51%)



- Red (67%)
- Yellow (43%)
- Blue (51%)



- Cyan (0%)
- Magenta (37%)
- Yellow (25%)
- Black (33%)




- Cyan (33%)
- Magenta (57%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2929, 0.3713, 0.2990 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 21.2929, 0.3713, 0.2990 by changing the saturation by 10% instead.


 21.2929, 0.3713,
0.2990


 21.2929, 0.3713,
0.2990


258.8310, 0.3383,
0.3159


 13.3383, 0.3811,
0.2940


 45.5745, 0.3582,
0.3057


 7.6619, 0.3948,
0.2871


 62.6702, 0.3537,
0.3080

 3.8794, 0.4152,
0.2767

 83.5818, 0.3499,
0.3099

 1.6063, 0.4489,
0.2597

 108.6936, 0.3468,
0.3115

 0.3619, 0.5672,
0.1980

138.3901, 0.3442,
0.3129

 0.0000, 0.0000,
0.0000

173.0555, 0.3419,

0.3140

213.0744, 0.3400,
0.3150

■ 21.2929, 0.3713,
0.2990

■ 21.2929, 0.3713,
0.2990

■ 17.6814, 0.3957,
0.2909

■ 25.6603, 0.3509,
0.3075

■ 14.7796, 0.4242,
0.2840

■ 30.8203, 0.3342,
0.3159

■ 12.5406, 0.4565,
0.2792


■ 36.8110, 0.3204,
0.3240


■ 10.9109, 0.4913,
0.2777


■ 43.6671, 0.3092,
0.3315


■ 9.8284, 0.5263,
0.2806

■ 51.4211, 0.3000,
0.3385


 9.2065, 0.5584,
0.2880

 60.1041, 0.2924,
0.3448

 9.0409, 0.5688,
0.2907

 69.7455, 0.2862,
0.3507

 80.3736, 0.2811,
0.3560

 86.2696, 0.2759,
0.3515

Harmonies

Analogous

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



21.2929, 0.3211, 0.2683



21.2929, 0.3713, 0.2990



21.2929, 0.4059, 0.3375

Triad

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



21.2929, 0.3713, 0.2990



21.2929, 0.3481, 0.4207



21.2929, 0.2216, 0.2703

Complementary

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



21.2929, 0.3713, 0.2990



35.0206, 0.2761, 0.3617

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.



21.2929, 0.2275, 0.3089



21.2929, 0.3713, 0.2990



21.2929, 0.2983, 0.4029

Square

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



21.2929, 0.3713, 0.2990



21.2929, 0.3905, 0.4087



21.2929, 0.2546, 0.3592



21.2929, 0.2372, 0.2508

Rectangle

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



21.2929, 0.3713, 0.2990



21.2929, 0.4137, 0.3642



21.2929, 0.2546, 0.3592



21.2929, 0.2211, 0.2812

Sweetspot

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



21.2939, 0.3713, 0.2990



61.6200, 0.3264, 0.3203



20.4971, 0.2924, 0.2334



13.0852, 0.3282, 0.3193



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.



21.2939, 0.3713, 0.2990



33.1807, 0.3909, 0.2923



23.1889, 0.3935, 0.3452



8.0556, 0.3238, 0.3218



6.7378, 0.5661, 0.2892



0.1975, 0.4805, 0.2420

Inverse Universe

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



21.2939, 0.3713, 0.2990



33.1807, 0.3909, 0.2923



31.8926, 0.2600, 0.3119



8.0556, 0.3238, 0.3218



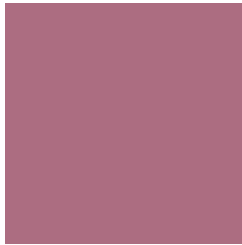
6.7378, 0.5661, 0.2892



0.1975, 0.4805, 0.2420

Previews

White Background



This preview shows how the Yxy color 21.2929, 0.3713, 0.2990 looks on a white background.

Color Contrast Check

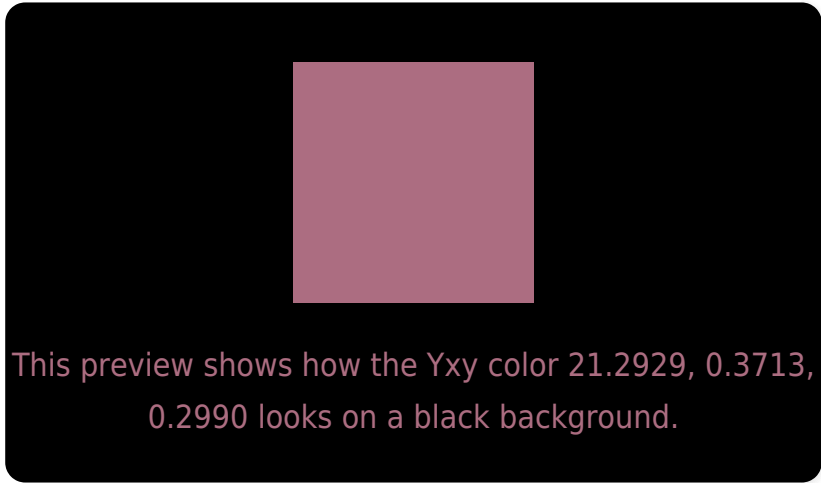
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

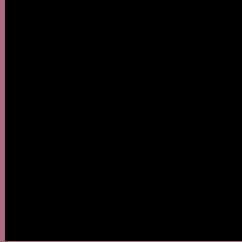
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2929, 0.3713, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 21.2929, 0.3713, 0.2990.



This preview shows how white text looks on a background with the Yxy color 21.2929, 0.3713, 0.2990.

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

21.2929, 0.3713, 0.2990

Protanopia

21.5078, 0.2977, 0.3060

Deuteranopia

21.2477, 0.3302, 0.3238



Tritanopia

21.3587, 0.3830, 0.3170

Trichromacy



Original Color

21.2929, 0.3713, 0.2990

Protanomaly

21.0502, 0.3226, 0.3020

Deuteranomaly

21.1646, 0.3453, 0.3142

Tritanomaly

21.2398, 0.3779, 0.3094

Monochromacy



Original Color

21.2929, 0.3713, 0.2990

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.5505, 0.3319, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2929, 0.3713, 0.2990 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(172, 109, 129)` looks like.

```
.text, #text, p{  
    color:rgb(172, 109, 129)  
}
```

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(172, 109, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 109, 129) }
```

Border

The CSS property to change the border of an element to Yxy 21.2929, 0.3713, 0.2990 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(172, 109, 129) }
```

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

```
.border{ border-color:rgb(172, 109, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 109, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 109, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 109, 129); box-shadow:4px 4px 4px 4px rgb(172, 109, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2929, 0.3713, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 109, 129) }
```

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

```
.background{ background-color: rgb(172,  
109, 129) }
```

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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