

Converting Colors

$Y_{xy}(22.0063, 0.3951, 0.2966)$

Have a look what the booklet for
Yxy(22.0063, 0.3951, 0.2966)
contains.

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Color

Yxy(21.9977, 0.3953, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	BB687F
RGB	187, 104, 127
RGB Percent	73%, 41%, 50%
CMY	0.2666, 0.5922, 0.5019
CMYK	0.00, 0.44, 0.32, 0.27
HSL	343°, 38%, 57%
HSV	343°, 44%, 73%
XYZ	29.2784, 21.9977, 22.7902
YIQ	131.4390, 42.0850, 24.7490

Conversions

Conversions Part 2

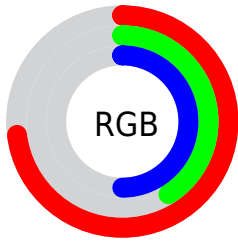
Format	Color
R_{YB}	187, 104, 127
Decimal	12281983
CIE _{Lab}	54.02, 35.85, 1.98
CIE _{LCh}	54, 35.906, 3.168
Yxy	21.9977, 0.3953, 0.2970
Android (android.graphics.Color)	4290472063 (0xFFBB687F)
YUV	131.4390, -2.1884, 48.7270
Hunter-Lab	46.9017, 29.3508, 4.0213

Details

The Yxy color **21.9977, 0.3953, 0.2970** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.1689, 0.2675, 0.3649**, and the grayscale version is **22.8596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8217, 0.3765, 0.3042**, and **8.0137, 0.4277, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **18.3134, 0.4251, 0.2907**, and if you desaturate by 10%, it is **26.5662, 0.3701, 0.3042**.

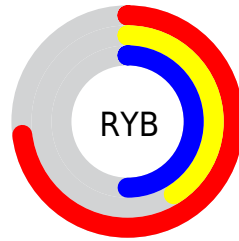
Distribution



Red (73%)

Green (41%)

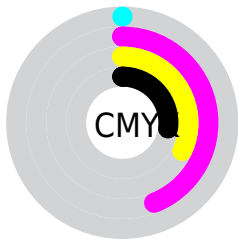
Blue (50%)



Red (73%)

Yellow (41%)

Blue (50%)

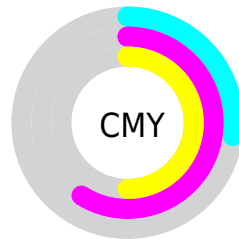


Cyan (0%)

Magenta (44%)

Yellow (32%)

Black (27%)



Cyan (27%)

Magenta (59%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9977, 0.3953, 0.2970 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 21.9977, 0.3953, 0.2970 by changing the saturation by 10% instead.


 21.9977, 0.3953,
0.2970


 21.9977, 0.3953,
0.2970


262.5343, 0.3488,
0.3153

 13.8552, 0.4090,
0.2915


 46.7422, 0.3770,
0.3043

 8.0200, 0.4280,
0.2838


 64.1130, 0.3706,
0.3068

 4.1078, 0.4560,
0.2723

 85.3287, 0.3653,
0.3089

 1.7340, 0.5014,
0.2533

 110.7736, 0.3609,
0.3106

 0.4455, 0.6364,
0.2045

140.8323, 0.3572,
0.3120

 0.0000, 1.0000,
0.0000

175.8890, 0.3540,

 0.0000, 0.0000,

0.3133

0.0000

216.3282, 0.3512,
0.3143

■ 21.9977, 0.3953,
0.2970

■ 21.9977, 0.3953,
0.2970

■ 18.3134, 0.4251,
0.2907

■ 26.5662, 0.3701,
0.3042

■ 15.4524, 0.4592,
0.2863

■ 32.0681, 0.3491,
0.3117

■ 13.3512, 0.4961,
0.2849


■ 38.5529, 0.3320,
0.3191


■ 11.9352, 0.5334,
0.2875


■ 46.0655, 0.3180,
0.3261


■ 11.1149, 0.5673,
0.2945


■ 54.6482, 0.3066,
0.3326

 10.8135, 0.5843,
0.2992

 64.3408, 0.2973,
0.3386

 75.1810, 0.2897,
0.3441

 87.2049, 0.2835,
0.3491

 88.9038, 0.2768,
0.3357

Harmonies

Analogous

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



21.9977, 0.3320, 0.2580



21.9977, 0.3953, 0.2970



21.9977, 0.4353, 0.3445

Triad

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



21.9977, 0.3953, 0.2970



21.9977, 0.3471, 0.4468



21.9977, 0.2008, 0.2493

Complementary

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



21.9977, 0.3953, 0.2970



41.1689, 0.2675, 0.3649

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.



21.9977, 0.2038, 0.2937



21.9977, 0.3953, 0.2970



21.9977, 0.2846, 0.4192

Square

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



21.9977, 0.3953, 0.2970



21.9977, 0.4034, 0.4329



21.9977, 0.2328, 0.3579



21.9977, 0.2231, 0.2302

Rectangle

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



21.9977, 0.3953, 0.2970



21.9977, 0.4409, 0.3773



21.9977, 0.2328, 0.3579



21.9977, 0.1989, 0.2613

Sweetspot

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



21.9988, 0.3953, 0.2970



70.5302, 0.3302, 0.3199



21.3262, 0.2911, 0.2131



14.9188, 0.3336, 0.3183



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



21.9988, 0.3953, 0.2970



33.1093, 0.4234, 0.2910



25.4803, 0.4168, 0.3545



9.5787, 0.3246, 0.3227



7.4601, 0.5812, 0.2975



0.3037, 0.5107, 0.2587

Inverse Universe

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



21.9988, 0.3953, 0.2970



33.1093, 0.4234, 0.2910



34.9167, 0.2488, 0.3009



9.5787, 0.3246, 0.3227



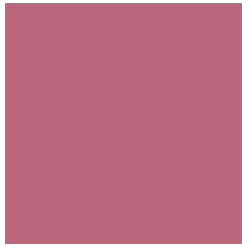
7.4601, 0.5812, 0.2975



0.3037, 0.5107, 0.2587

Previews

White Background



This preview shows how the Yxy color 21.9977, 0.3953, 0.2970 looks on a white background.

Color Contrast Check

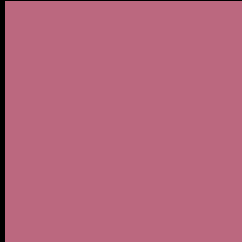
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9977, 0.3953, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

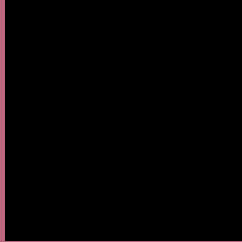
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9977, 0.3953, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 21.9977, 0.3953, 0.2970.



This preview shows how white text looks on a background with the Yxy color 21.9977, 0.3953, 0.2970.

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

21.9977, 0.3953, 0.2970

Protanopia

22.2427, 0.2979, 0.3063

Deuteranopia

22.0266, 0.3383, 0.3325



Tritanopia

21.9621, 0.4118, 0.3180

Trichromacy



Original Color

21.9977, 0.3953, 0.2970

Protanomaly

21.6286, 0.3288, 0.3010

Deuteranomaly

21.6514, 0.3597, 0.3179

Tritanomaly

21.8742, 0.4051, 0.3095

Monochromacy



Original Color

21.9977, 0.3953, 0.2970

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.8658, 0.3396, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9977, 0.3953, 0.2970 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(187, 104, 127)` looks like.

```
.text, #text, p{  
    color:rgb(187, 104, 127)  
}
```

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(187, 104, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 104, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.9977, 0.3953, 0.2970 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(187, 104, 127) }
```

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

```
.border{ border-color:rgb(187, 104, 127) }
```

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

Here you see how a box with a 4 pixel rgb(187, 104, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 104, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 104, 127);  
box-shadow:4px 4px 4px 4px rgb(187, 104,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9977, 0.3953, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 104, 127) }
```

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

```
.background{ background-color: rgb(187,  
104, 127) }
```

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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