

Converting Colors

$Y_{xy}(20.0427, 0.3700, 0.2427)$

Have a look what the booklet for
Yxy(20.0427, 0.3700, 0.2427)
contains.

Yxy(19.9989, 0.3697, 0.2426)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9989, 0.3697, 0.2426)

Conversions

Conversions Part 1

Format	Color
Hex	BF5698
RGB	191, 86, 152
RGB Percent	75%, 34%, 60%
CMY	0.2511, 0.6626, 0.4039
CMYK	0.00, 0.55, 0.20, 0.25
HSL	322°, 45%, 54%
HSV	322°, 55%, 75%
XYZ	30.4765, 19.9989, 31.9603
YIQ	124.9190, 41.3940, 42.7860

Conversions

Conversions Part 2

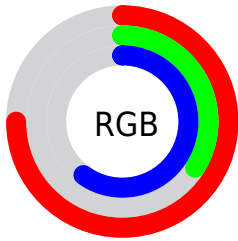
Format	Color
R _{YB}	191, 86, 152
Decimal	12539544
CIE Lab	51.84, 49.83, -15.96
CIE LCh	52, 52.322, 342.242
Yxy	19.9989, 0.3697, 0.2426
Android (android.graphics.Color)	4290729624 (0xFFBF5698)
YUV	124.9190, 13.3509, 57.9530
Hunter-Lab	44.7201, 43.3864, -11.0689

Details

The Yxy color **19.9989, 0.3697, 0.2426** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **40.7110, 0.2821, 0.4389**, and the grayscale version is **20.4258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5364, 0.3587, 0.2605**, and **7.0190, 0.3902, 0.2139** is the 20% darker color. If you saturate the color by 10%, you get **17.1205, 0.3850, 0.2306**, and if you desaturate by 10%, it is **23.7079, 0.3558, 0.2571**.

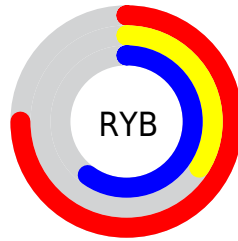
Distribution



Red (75%)

Green (34%)

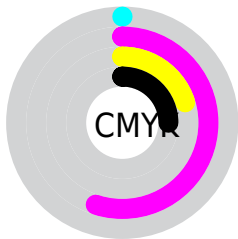
Blue (60%)



Red (75%)

Yellow (34%)

Blue (60%)

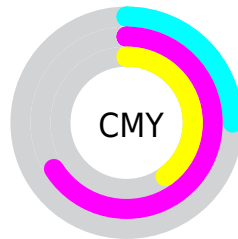


Cyan (0%)

Magenta (55%)

Yellow (20%)

Black (25%)



Cyan (25%)


Magenta (66%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9989, 0.3697, 0.2426 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 19.9989, 0.3697, 0.2426 by changing the saturation by 10% instead.


 19.9989, 0.3697,
0.2426


 19.9989, 0.3697,
0.2426


251.9092, 0.3389,
0.2884


 12.3942, 0.3782,
0.2303


 43.4153, 0.3579,
0.2599


 7.0128, 0.3896,
0.2141


 59.9959, 0.3537,
0.2662

 3.4701, 0.4056,
0.1918


 80.3372, 0.3502,
0.2714

 1.3818, 0.4297,
0.1595

 104.8237, 0.3472,
0.2759

 0.2033, 0.4931,
0.0648

133.8398, 0.3447,
0.2797

 0.0000, 0.7308,
0.0000

167.7698, 0.3425,

 0.0000, 0.0000,

0.2830

0.0000

206.9981, 0.3406,
0.2859

■ 19.9989, 0.3697,
0.2426

■ 19.9989, 0.3697,
0.2426

■ 17.1205, 0.3850,
0.2306

■ 23.7079, 0.3558,
0.2571

■ 15.0029, 0.4012,
0.2221

■ 28.3038, 0.3435,
0.2730

■ 13.5701, 0.4180,
0.2182

■ 33.8416, 0.3329,
0.2894

■ 12.7283, 0.4344,
0.2194

■ 40.3709, 0.3238,
0.3058

■ 12.4306, 0.4427,
0.2213

■ 47.9376, 0.3161,
0.3215

■ 56.5851, 0.3096,
0.3364

■ 66.3540, 0.3042,
0.3503

■ 77.2829, 0.2997,
0.3632

■ 87.5422, 0.2959,
0.3722

Harmonies

Analogous

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



19.9989, 0.2725, 0.2039



19.9989, 0.3697, 0.2426



19.9989, 0.4603, 0.2986

Triad

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



19.9989, 0.3697, 0.2426



19.9989, 0.4148, 0.4901



19.9989, 0.1545, 0.2490

Complementary

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



19.9989, 0.3697, 0.2426



40.7110, 0.2821, 0.4389

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.



19.9989, 0.1802, 0.3375



19.9989, 0.3697, 0.2426



19.9989, 0.3280, 0.5069

Square

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



19.9989, 0.3697, 0.2426



19.9989, 0.4804, 0.4309



19.9989, 0.2418, 0.4457



19.9989, 0.1619, 0.2016

Rectangle

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



19.9989, 0.3697, 0.2426



19.9989, 0.4949, 0.3412



19.9989, 0.2418, 0.4457



19.9989, 0.1592, 0.2740

Sweetspot

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



19.9999, 0.3697, 0.2426



70.7029, 0.3249, 0.3037



14.7431, 0.2431, 0.1697



14.9684, 0.3267, 0.3003



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



19.9999, 0.3697, 0.2426



29.7700, 0.3883, 0.2285



18.6533, 0.4519, 0.3109



9.6345, 0.3193, 0.3147



8.1876, 0.4407, 0.2201



0.3330, 0.4049, 0.2004

Inverse Universe

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



19.9999, 0.3697, 0.2426



29.7700, 0.3883, 0.2285



42.4040, 0.2513, 0.3505



9.6345, 0.3193, 0.3147



8.1876, 0.4407, 0.2201



0.3330, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 19.9989, 0.3697, 0.2426 looks on a white background.

Color Contrast Check

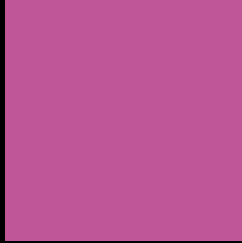
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9989, 0.3697, 0.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

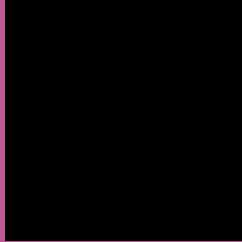
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9989, 0.3697, 0.2426

Background



This preview shows how black text looks on a background with the Yxy color 19.9989, 0.3697, 0.2426.



This preview shows how white text looks on a background with the Yxy color 19.9989, 0.3697, 0.2426.

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

19.9989, 0.3697, 0.2426

Protanopia

20.2379, 0.2426, 0.2334

Deuteranopia

20.1100, 0.2902, 0.2849



Tritanopia

19.9880, 0.4321, 0.3196

Trichromacy



Original Color

19.9989, 0.3697, 0.2426

Protanomaly

19.1202, 0.2795, 0.2329

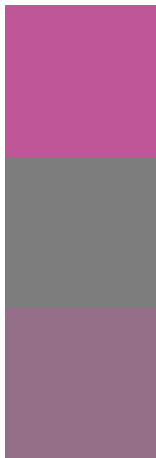
Deuteranomaly

19.2528, 0.3170, 0.2642

Tritanomaly

19.9005, 0.4106, 0.2907

Monochromacy



Original Color

19.9989, 0.3697, 0.2426

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.5077, 0.3328, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9989, 0.3697, 0.2426 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(191, 86, 152)` looks like.

```
.text, #text, p{  
    color:rgb(191, 86, 152)  
}
```

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(191, 86, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 86, 152) }
```

Border

The CSS property to change the border of an element to Yxy 19.9989, 0.3697, 0.2426 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(191, 86, 152) }
```

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

```
.border{ border-color:rgb(191, 86, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 86, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 86, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 86, 152);  
box-shadow:4px 4px 4px 4px rgb(191, 86,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9989, 0.3697, 0.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 86, 152) }
```

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

```
.background{ background-color: rgb(191, 86,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor