

Converting Colors

$Y_{xy}(18.2101, 0.4249, 0.2905)$

Have a look what the booklet for
Yxy(18.2101, 0.4249, 0.2905)
contains.

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Color

Yxy(18.2540, 0.4261, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	BB5571
RGB	187, 85, 113
RGB Percent	73%, 33%, 44%
CMY	0.2667, 0.6666, 0.5569
CMYK	0.00, 0.55, 0.40, 0.27
HSL	344°, 43%, 53%
HSV	344°, 55%, 73%
XYZ	26.7194, 18.2540, 17.7335
YIQ	118.6900, 51.8040, 30.3320

Conversions

Conversions Part 2

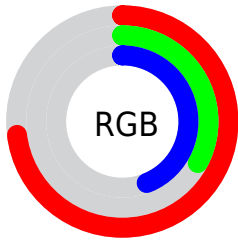
Format	Color
RYB	187, 85, 113
Decimal	12277105
CIELab	49.80, 43.91, 4.23
CIElCh	50, 44.112, 5.505
Yxy	18.2540, 0.4261, 0.2911
Android (android.graphics.Color)	4290467185 (0xFFBB5571)
YUV	118.6900, -2.8052, 59.9079
Hunter-Lab	42.7247, 36.8632, 5.2981

Details

The Yxy color **18.2540, 0.4261, 0.2911** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **39.9708, 0.2600, 0.3742**, and the grayscale version is **18.3430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4864, 0.3993, 0.3000**, and **6.1605, 0.4753, 0.2742** is the 20% darker color. If you saturate the color by 10%, you get **15.4058, 0.4604, 0.2868**, and if you desaturate by 10%, it is **21.9276, 0.3961, 0.2973**.

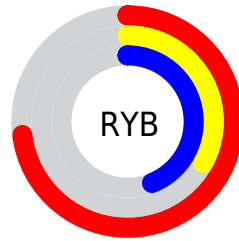
Distribution



Red (73%)

Green (33%)

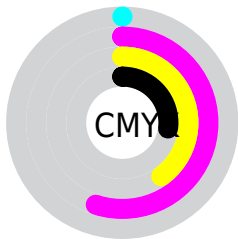
Blue (44%)



Red (73%)

Yellow (33%)

Blue (44%)

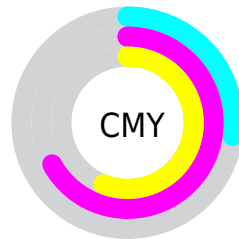


Cyan (0%)

Magenta (55%)

Yellow (40%)

Black (27%)



Cyan (27%)

Magenta (67%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2540, 0.4261, 0.2911 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 18.2540, 0.4261, 0.2911 by changing the saturation by 10% instead.


 18.2540, 0.4261,
0.2911


 18.2540, 0.4261,
0.2911


242.2988, 0.3606,
0.3137


 11.1325, 0.4461,
0.2838


 40.4697, 0.3998,
0.3004


 6.1560, 0.4745,
0.2733

 56.3326, 0.3907,
0.3036

 2.9402, 0.5173,
0.2568

 75.8782, 0.3833,
0.3061

 1.1006, 0.5883,
0.2281

 99.4907, 0.3772,
0.3082

 0.0000, 1.0000,
0.0000

 127.5547, 0.3720,
0.3099

 0.0000, 0.0000,
0.0000

160.4544, 0.3677,

0.3114

198.5743, 0.3639,
0.3126

■ 18.2540, 0.4261,
0.2911

■ 18.2540, 0.4261,
0.2911

■ 15.4058, 0.4604,
0.2868

■ 21.9276, 0.3961,
0.2973

■ 13.3155, 0.4975,
0.2855

■ 26.4817, 0.3706,
0.3044

■ 11.9095, 0.5349,
0.2882

■ 31.9696, 0.3495,
0.3118

■ 11.0977, 0.5688,
0.2952

■ 38.4398, 0.3323,
0.3191

■ 10.8046, 0.5853,
0.2998

■ 45.9374, 0.3182,
0.3260

■ 54.5045, 0.3067,
0.3325

■ 64.1811, 0.2974,
0.3384

■ 75.0050, 0.2898,
0.3438

■ 87.0121, 0.2835,
0.3488

Harmonies

Analogous

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



18.2540, 0.3433, 0.2428



18.2540, 0.4261, 0.2911



18.2540, 0.4745, 0.3491

Triad

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



18.2540, 0.4261, 0.2911



18.2540, 0.3468, 0.4847



18.2540, 0.1737, 0.2232

Complementary

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



18.2540, 0.4261, 0.2911



39.9708, 0.2600, 0.3742

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.



18.2540, 0.1740, 0.2748



18.2540, 0.4261, 0.2911



18.2540, 0.2680, 0.4457

Square

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



18.2540, 0.4261, 0.2911



18.2540, 0.4208, 0.4631



18.2540, 0.2057, 0.3585



18.2540, 0.2028, 0.2041

Rectangle

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



18.2540, 0.4261, 0.2911



18.2540, 0.4771, 0.3897



18.2540, 0.2057, 0.3585



18.2540, 0.1705, 0.2365

Sweetspot

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



18.2549, 0.4261, 0.2911



66.7264, 0.3350, 0.3179



17.3660, 0.2842, 0.1874



14.1485, 0.3384, 0.3164



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.



18.2549, 0.4261, 0.2911



26.9430, 0.4659, 0.2864



21.7579, 0.4528, 0.3596



9.5782, 0.3246, 0.3227



7.4563, 0.5823, 0.2981



0.3035, 0.5118, 0.2593

Inverse Universe

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



18.2549, 0.4261, 0.2911



26.9430, 0.4659, 0.2864



32.3912, 0.2368, 0.2933



9.5782, 0.3246, 0.3227



7.4563, 0.5823, 0.2981



0.3035, 0.5118, 0.2593

Previews

White Background



This preview shows how the Yxy color 18.2540, 0.4261, 0.2911 looks on a white background.

Color Contrast Check

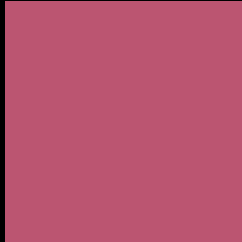
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.2540, 0.4261, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

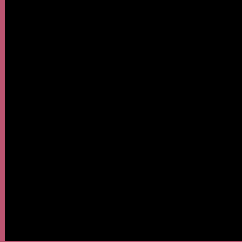
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2540, 0.4261, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 18.2540, 0.4261, 0.2911.



This preview shows how white text looks on a background with the Yxy color 18.2540, 0.4261, 0.2911.

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

18.2540, 0.4261, 0.2911

Protanopia

18.4047, 0.2956, 0.3026

Deuteranopia

18.4125, 0.3468, 0.3420



Tritanopia

18.2448, 0.4524, 0.3199

Trichromacy



Original Color

18.2540, 0.4261, 0.2911

Protanomaly

17.5395, 0.3375, 0.2959

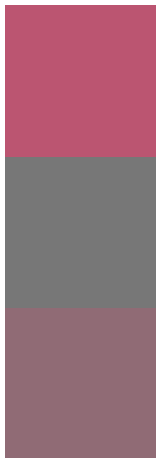
Deuteranomaly

17.7987, 0.3747, 0.3191

Tritanomaly

18.2148, 0.4418, 0.3088

Monochromacy



Original Color

18.2540, 0.4261, 0.2911

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7290, 0.3510, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2540, 0.4261, 0.2911 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, 85, 113)` looks like.

```
.text, #text, p{  
    color:rgb(187, 85, 113)  
}
```

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, 85, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 85, 113) }
```

Border

The CSS property to change the border of an element to Yxy 18.2540, 0.4261, 0.2911 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, 85, 113) }
```

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

```
.border{ border-color:rgb(187, 85, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 85, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 85, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 85, 113);  
box-shadow:4px 4px 4px 4px rgb(187, 85,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2540, 0.4261, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 85, 113) }
```

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

```
.background{ background-color: rgb(187, 85,  
113) }
```

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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