

Converting Colors

$Y_{xy}(18.0850, 0.3736, 0.2457)$

Have a look what the booklet for
Yxy(18.0850, 0.3736, 0.2457)
contains.

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Color

Yxy(18.0850, 0.3736, 0.2457)

Conversions

Conversions Part 1

Format	Color
Hex	B7528F
RGB	183, 82, 143
RGB Percent	72%, 32%, 56%
CMY	0.2824, 0.6783, 0.4393
CMYK	0.00, 0.55, 0.22, 0.28
HSL	324°, 41%, 52%
HSV	324°, 55%, 72%
XYZ	27.4992, 18.0850, 28.0218
YIQ	119.1530, 40.6150, 40.3830

Conversions

Conversions Part 2

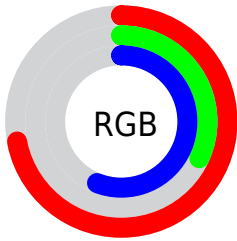
Format	Color
R _Y B	183, 82, 143
Decimal	12014223
CIE Lab	49.60, 47.94, -14.11
CIE LCh	50, 49.977, 343.596
Yxy	18.0850, 0.3736, 0.2457
Android (android.graphics.Color)	4290204303 (0xFFB7528F)
YUV	119.1530, 11.7566, 55.9938
Hunter-Lab	42.5265, 41.0035, -9.2992

Details

The Yxy color **18.0850, 0.3736, 0.2457** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **37.0596, 0.2805, 0.4345**, and the grayscale version is **18.4531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0599, 0.3602, 0.2623**, and **6.0862, 0.3950, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **15.4710, 0.3901, 0.2342**, and if you desaturate by 10%, it is **21.4508, 0.3587, 0.2596**.

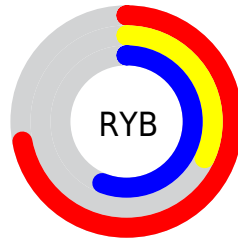
Distribution



Red (72%)

Green (32%)

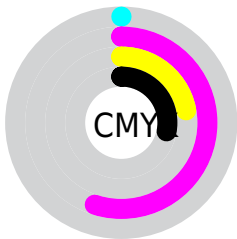
Blue (56%)



Red (72%)

Yellow (32%)

Blue (56%)

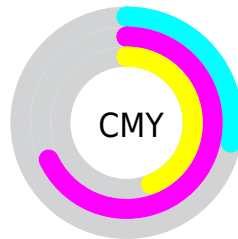


Cyan (0%)

Magenta (55%)

Yellow (22%)

Black (28%)



Cyan (28%)


Magenta (68%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0850, 0.3736, 0.2457 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 18.0850, 0.3736, 0.2457 by changing the saturation by 10% instead.


 18.0850, 0.3736,
0.2457


 18.0850, 0.3736,
0.2457


241.3497, 0.3400,
0.2908


 11.0110, 0.3832,
0.2333


 40.1821, 0.3605,
0.2629

 6.0743, 0.3963,
0.2166


 55.9740, 0.3559,
0.2691


 2.8903, 0.4152,
0.1932

 75.4407, 0.3521,
0.2743

 1.0747, 0.4447,
0.1585

 98.9666, 0.3489,
0.2786

 0.0000, 0.5532,
0.0000

 126.9361, 0.3461,
0.2823

 0.0000, 1.0000,
0.0000

159.7335, 0.3438,

 0.0000, 0.0000,

0.2855

0.0000

197.7432, 0.3418,
0.2883

■ 18.0850, 0.3736,
0.2457

■ 18.0850, 0.3736,
0.2457

■ 15.4710, 0.3901,
0.2342

■ 21.4508, 0.3587,
0.2596

■ 13.5459, 0.4077,
0.2262

■ 25.6193, 0.3456,
0.2749

■ 12.2411, 0.4258,
0.2229

■ 30.6400, 0.3342,
0.2907

■ 11.4713, 0.4437,
0.2246

■ 36.5576, 0.3246,
0.3064

■ 11.2014, 0.4524,
0.2266

■ 43.4138, 0.3164,
0.3215

■ 51.2476, 0.3096,
0.3358

■ 60.0957, 0.3039,
0.3491

■ 69.9930, 0.2991,
0.3615

■ 80.9726, 0.2952,
0.3729

Harmonies

Analogous

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



18.0850, 0.2769, 0.2063



18.0850, 0.3736, 0.2457



18.0850, 0.4616, 0.3019

Triad

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



18.0850, 0.3736, 0.2457



18.0850, 0.4104, 0.4904



18.0850, 0.1557, 0.2470

Complementary

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



18.0850, 0.3736, 0.2457



37.0596, 0.2805, 0.4345

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.



18.0850, 0.1797, 0.3328



18.0850, 0.3736, 0.2457



18.0850, 0.3241, 0.5035

Square

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



18.0850, 0.3736, 0.2457



18.0850, 0.4766, 0.4332



18.0850, 0.2393, 0.4397



18.0850, 0.1644, 0.2017

Rectangle

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



18.0850, 0.3736, 0.2457



18.0850, 0.4941, 0.3443



18.0850, 0.2393, 0.4397



18.0850, 0.1598, 0.2711

Sweetspot

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



18.0859, 0.3736, 0.2457



63.1177, 0.3265, 0.3031



13.5014, 0.2448, 0.1703



13.4597, 0.3283, 0.3000



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



18.0859, 0.3736, 0.2457



26.9613, 0.3934, 0.2324



16.9078, 0.4549, 0.3133



9.1008, 0.3196, 0.3153



7.8299, 0.4503, 0.2255



0.2879, 0.4087, 0.2025

Inverse Universe

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



18.0859, 0.3736, 0.2457



26.9613, 0.3934, 0.2324



38.6019, 0.2503, 0.3478



9.1008, 0.3196, 0.3153



7.8299, 0.4503, 0.2255



0.2879, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 18.0850, 0.3736, 0.2457 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 18.0850, 0.3736, 0.2457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

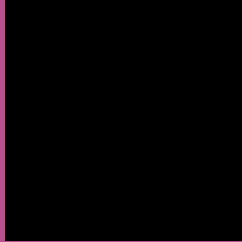
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0850, 0.3736, 0.2457

Background



This preview shows how black text looks on a background with the Yxy color 18.0850, 0.3736, 0.2457.



This preview shows how white text looks on a background with the Yxy color 18.0850, 0.3736, 0.2457.

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

18.0850, 0.3736, 0.2457

Protanopia

18.3745, 0.2460, 0.2390

Deuteranopia

18.3907, 0.2938, 0.2886



Tritanopia

18.1198, 0.4358, 0.3207

Trichromacy



Original Color

18.0850, 0.3736, 0.2457

Protanomaly

17.2291, 0.2824, 0.2365

Deuteranomaly

17.7234, 0.3209, 0.2684

Tritanomaly

17.8977, 0.4136, 0.2920

Monochromacy



Original Color

18.0850, 0.3736, 0.2457

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.6174, 0.3335, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0850, 0.3736, 0.2457 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(183, 82, 143)` looks like.

```
.text, #text, p{  
  color:rgb(183, 82, 143)  
}
```

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(183, 82, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 82, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.0850, 0.3736, 0.2457 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(183, 82, 143) }
```

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

```
.border{ border-color:rgb(183, 82, 143) }
```

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

Here you see how a box with a 4 pixel rgb(183, 82, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 82, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 82, 143);  
box-shadow:4px 4px 4px 4px rgb(183, 82,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0850, 0.3736, 0.2457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 82, 143) }
```

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

```
.background{ background-color: rgb(183, 82,  
143) }
```

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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