

Converting Colors

$Y_{xy}(18.0898, 0.3647, 0.2396)$

Have a look what the booklet for
Yxy(18.0898, 0.3647, 0.2396)
contains.

Yxy(18.1178, 0.3647, 0.2389)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.1178, 0.3647, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	B65294
RGB	182, 82, 148
RGB Percent	71%, 32%, 58%
CMY	0.2862, 0.6785, 0.4195
CMYK	0.00, 0.55, 0.19, 0.29
HSL	320°, 41%, 52%
HSV	320°, 55%, 71%
XYZ	27.6583, 18.1178, 30.0624
YIQ	119.4240, 38.4140, 41.7260

Conversions

Conversions Part 2

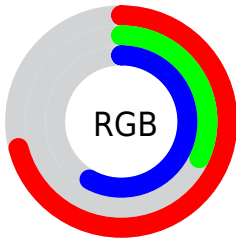
Format	Color
R_{YB}	182, 82, 148
Decimal	11948692
CIE _{Lab}	49.64, 48.41, -17.06
CIE _{LCh}	50, 51.327, 340.585
Yxy	18.1178, 0.3647, 0.2389
Android (android.graphics.Color)	4290138772 (0xFFB65294)
YUV	119.4240, 14.0880, 54.8792
Hunter-Lab	42.5650, 41.4986, -12.0792

Details

The Yxy color **18.1178, 0.3647, 0.2389** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.5180, 0.2842, 0.4442**, and the grayscale version is **18.5341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1175, 0.3540, 0.2570**, and **6.0826, 0.3829, 0.2088** is the 20% darker color. If you saturate the color by 10%, you get **15.5379, 0.3784, 0.2262**, and if you desaturate by 10%, it is **21.4379, 0.3522, 0.2540**.

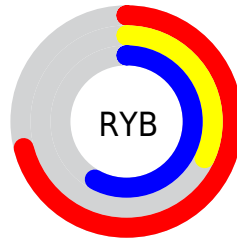
Distribution



Red (71%)

Green (32%)

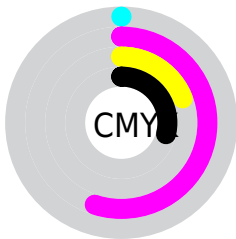
Blue (58%)



Red (71%)

Yellow (32%)

Blue (58%)

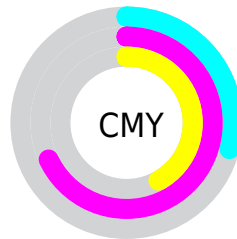


Cyan (0%)

Magenta (55%)

Yellow (19%)

Black (29%)



Cyan (29%)


Magenta (68%)


Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1178, 0.3647, 0.2389 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 18.1178, 0.3647, 0.2389 by changing the saturation by 10% instead.


 18.1178, 0.3647,
0.2389


 18.1178, 0.3647,
0.2389


241.5342, 0.3365,
0.2872


 11.0346, 0.3725,
0.2258


 40.2380, 0.3539,
0.2573


 6.0901, 0.3831,
0.2083


 56.0437, 0.3500,
0.2639

 2.9000, 0.3979,
0.1841

 75.5257, 0.3468,
0.2694

 1.0797, 0.4203,
0.1487

 99.0684, 0.3441,
0.2741

 0.0000, 0.5042,
0.0000

 127.0563, 0.3417,
0.2781

 0.0000, 1.0000,
0.0000

159.8736, 0.3397,

 0.0000, 0.0000,

0.2816

0.0000

197.9047, 0.3380,
0.2846

■ 18.1178, 0.3647,
0.2389

■ 18.1178, 0.3647,
0.2389

■ 15.5379, 0.3784,
0.2262

■ 21.4379, 0.3522,
0.2540

■ 13.6364, 0.3929,
0.2171

■ 25.5483, 0.3410,
0.2706

■ 12.3460, 0.4078,
0.2125

■ 30.4977, 0.3313,
0.2877

■ 11.5834, 0.4224,
0.2128

■ 36.3299, 0.3229,
0.3047

■ 11.3071, 0.4298,
0.2141

■ 43.0861, 0.3158,
0.3211

■ 50.8045, 0.3098,
0.3368

■ 59.5213, 0.3048,
0.3514

■ 69.2707, 0.3006,
0.3649

■ 80.0855, 0.2971,
0.3774

Harmonies

Analogous

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



18.1178, 0.2670, 0.2010



18.1178, 0.3647, 0.2389



18.1178, 0.4582, 0.2947

Triad

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



18.1178, 0.3647, 0.2389



18.1178, 0.4201, 0.4893



18.1178, 0.1533, 0.2516

Complementary

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



18.1178, 0.3647, 0.2389



36.5180, 0.2842, 0.4442

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.



18.1178, 0.1811, 0.3435



18.1178, 0.3647, 0.2389



18.1178, 0.3329, 0.5105

Square

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



18.1178, 0.3647, 0.2389



18.1178, 0.4848, 0.4279



18.1178, 0.2451, 0.4529



18.1178, 0.1591, 0.2017

Rectangle

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



18.1178, 0.3647, 0.2389



18.1178, 0.4955, 0.3373



18.1178, 0.2451, 0.4529



18.1178, 0.1586, 0.2777

Sweetspot

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



18.1187, 0.3647, 0.2389



64.3675, 0.3240, 0.3025



13.0781, 0.2398, 0.1688



13.7185, 0.3256, 0.2990



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.



18.1187, 0.3647, 0.2389



27.3189, 0.3815, 0.2239



16.8744, 0.4455, 0.3062



9.1094, 0.3188, 0.3140



7.9958, 0.4282, 0.2133



0.2930, 0.3941, 0.1945

Inverse Universe

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



18.1187, 0.3647, 0.2389



27.3189, 0.3815, 0.2239



37.9865, 0.2534, 0.3560



9.1094, 0.3188, 0.3140



7.9958, 0.4282, 0.2133



0.2930, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 18.1178, 0.3647, 0.2389 looks on a white background.

Color Contrast Check

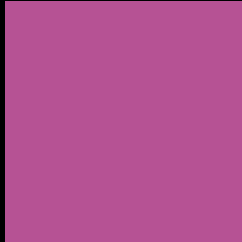
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.1178, 0.3647, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

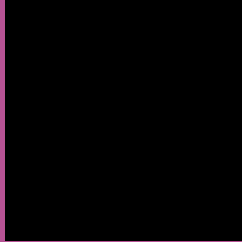
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1178, 0.3647, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 18.1178, 0.3647, 0.2389.



This preview shows how white text looks on a background with the Yxy color 18.1178, 0.3647, 0.2389.

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

18.1178, 0.3647, 0.2389

Protanopia

18.4879, 0.2397, 0.2301

Deuteranopia

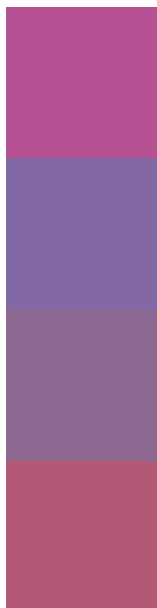
18.2953, 0.2860, 0.2813



Tritanopia

18.0959, 0.4293, 0.3191

Trichromacy



Original Color

18.1178, 0.3647, 0.2389

Protanomaly

17.3631, 0.2751, 0.2280

Deuteranomaly

17.5770, 0.3119, 0.2615

Tritanomaly

18.0128, 0.4069, 0.2889

Monochromacy



Original Color

18.1178, 0.3647, 0.2389

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.6706, 0.3309, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1178, 0.3647, 0.2389 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(182, 82, 148)` looks like.

```
.text, #text, p{  
  color:rgb(182, 82, 148)  
}
```

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(182, 82, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 82, 148) }
```

Border

The CSS property to change the border of an element to Yxy 18.1178, 0.3647, 0.2389 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(182, 82, 148) }
```

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

```
.border{ border-color:rgb(182, 82, 148) }
```

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

Here you see how a box with a 4 pixel rgb(182, 82, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 82, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 82, 148);  
box-shadow:4px 4px 4px 4px rgb(182, 82,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1178, 0.3647, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 82, 148) }
```

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

```
.background{ background-color: rgb(182, 82,  
148) }
```

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