

Converting Colors

$Y_{xy}(17.0194, 0.3738, 0.2292)$

Have a look what the booklet for
Yxy(17.0194, 0.3738, 0.2292)
contains.

Yxy(17.0522, 0.3740, 0.2296)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0522, 0.3740, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	BA4793
RGB	186, 71, 147
RGB Percent	73%, 28%, 58%
CMY	0.2705, 0.7217, 0.4234
CMYK	0.00, 0.62, 0.21, 0.27
HSL	320°, 45%, 50%
HSV	320°, 62%, 73%
XYZ	27.7767, 17.0522, 29.4403
YIQ	114.0490, 44.1440, 48.0160

Conversions

Conversions Part 2

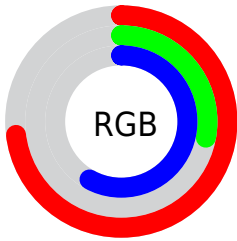
Format	Color
R_{YB}	186, 71, 147
Decimal	12208019
CIE _{Lab}	48.33, 54.54, -18.42
CIE _{LCh}	48, 57.567, 341.337
Yxy	17.0522, 0.3740, 0.2296
Android (android.graphics.Color)	4290398099 (0xFFBA4793)
YUV	114.0490, 16.2448, 63.1010
Hunter-Lab	41.2943, 47.8032, -13.3641

Details

The Yxy color **17.0522, 0.3740, 0.2296** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.5954, 0.2824, 0.4621**, and the grayscale version is **16.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5512, 0.3615, 0.2504**, and **5.5334, 0.3955, 0.1958** is the 20% darker color. If you saturate the color by 10%, you get **14.8466, 0.3883, 0.2193**, and if you desaturate by 10%, it is **19.9944, 0.3607, 0.2432**.

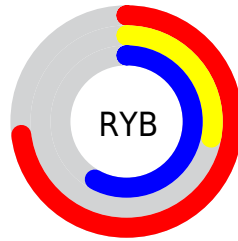
Distribution



Red (73%)

Green (28%)

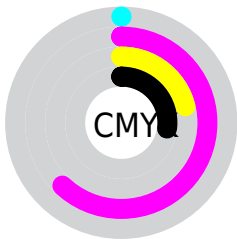
Blue (58%)



Red (73%)

Yellow (28%)

Blue (58%)

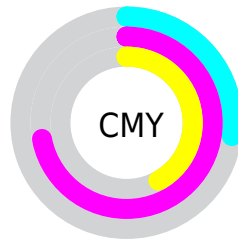


Cyan (0%)

Magenta (62%)

Yellow (21%)

Black (27%)



Cyan (27%)

Magenta (72%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0522, 0.3740, 0.2296 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 17.0522, 0.3740, 0.2296 by changing the saturation by 10% instead.


 17.0522, 0.3740,
0.2296


 17.0522, 0.3740,
0.2296


235.4730, 0.3406,
0.2829

 10.2717, 0.3833,
0.2152


 38.4155, 0.3612,
0.2498


 5.5795, 0.3959,
0.1961


 53.7671, 0.3565,
0.2571


 2.5911, 0.4136,
0.1697

 72.7446, 0.3527,
0.2632

 0.9222, 0.4402,
0.1318

 95.7322, 0.3495,
0.2684

 0.0000, 0.5228,
0.0000

 123.1145, 0.3468,
0.2728

 0.0000, 1.0000,
0.0000

155.2758, 0.3444,

 0.0000, 0.0000,

0.2766

0.0000

192.6005, 0.3424,
0.2800

■ 17.0522, 0.3740,
0.2296

■ 17.0522, 0.3740,
0.2296

■ 14.8466, 0.3883,
0.2193

■ 19.9944, 0.3607,
0.2432

■ 13.3064, 0.4031,
0.2132

■ 23.7308, 0.3486,
0.2589

■ 12.3506, 0.4178,
0.2121

■ 28.3160, 0.3378,
0.2757

■ 11.8723, 0.4297,
0.2141

■ 33.7992, 0.3285,
0.2929

■ 40.2257, 0.3206,
0.3098

■ 47.6379, 0.3138,
0.3261

■ 56.0753, 0.3082,
0.3414

■ 65.5755, 0.3034,
0.3558

■ 76.1740, 0.2995,
0.3690

Harmonies

Analogous

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



17.0522, 0.2627, 0.1880



17.0522, 0.3740, 0.2296



17.0522, 0.4810, 0.2902

Triad

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



17.0522, 0.3740, 0.2296



17.0522, 0.4263, 0.5082



17.0522, 0.1358, 0.2376

Complementary

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



17.0522, 0.3740, 0.2296



37.5954, 0.2824, 0.4621

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.



17.0522, 0.1635, 0.3404



17.0522, 0.3740, 0.2296



17.0522, 0.3286, 0.5382

Square

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



17.0522, 0.3740, 0.2296



17.0522, 0.5021, 0.4356



17.0522, 0.2319, 0.4708



17.0522, 0.1435, 0.1856

Rectangle

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



17.0522, 0.3740, 0.2296



17.0522, 0.5214, 0.3362



17.0522, 0.2319, 0.4708



17.0522, 0.1408, 0.2660

Sweetspot

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



17.0530, 0.3740, 0.2296



64.0283, 0.3264, 0.2972



11.3209, 0.2282, 0.1479



13.4054, 0.3288, 0.2923



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.



17.0530, 0.3740, 0.2296



25.8305, 0.3932, 0.2167



15.6864, 0.4731, 0.3046



9.1096, 0.3188, 0.3140



7.9986, 0.4279, 0.2131



0.2930, 0.3939, 0.1943

Inverse Universe

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



17.0530, 0.3740, 0.2296



25.8305, 0.3932, 0.2167



39.2548, 0.2488, 0.3601



9.1096, 0.3188, 0.3140



7.9986, 0.4279, 0.2131



0.2930, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 17.0522, 0.3740, 0.2296 looks on a white background.

Color Contrast Check

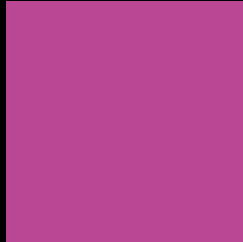
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.0522, 0.3740, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

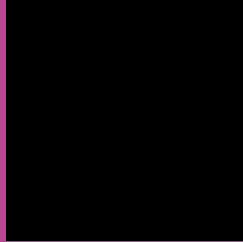
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.0522, 0.3740, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 17.0522, 0.3740, 0.2296.



This preview shows how white text looks on a background with the Yxy color 17.0522, 0.3740, 0.2296.

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

17.0522, 0.3740, 0.2296

Protanopia

17.2891, 0.2276, 0.2143

Deuteranopia

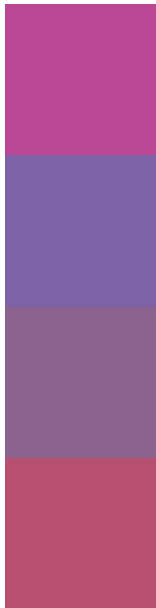
17.3107, 0.2821, 0.2766



Tritanopia

17.0761, 0.4549, 0.3211

Trichromacy



Original Color

17.0522, 0.3740, 0.2296

Protanomaly

15.9610, 0.2678, 0.2143

Deuteranomaly

16.2940, 0.3122, 0.2526

Tritanomaly

16.9523, 0.4268, 0.2864

Monochromacy



Original Color

17.0522, 0.3740, 0.2296

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.8172, 0.3350, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0522, 0.3740, 0.2296 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(186, 71, 147)` looks like.

```
.text, #text, p{  
    color:rgb(186, 71, 147)  
}
```

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(186, 71, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 71, 147) }
```

Border

The CSS property to change the border of an element to Yxy 17.0522, 0.3740, 0.2296 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(186, 71, 147) }
```

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

```
.border{ border-color:rgb(186, 71, 147) }
```

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

Here you see how a box with a 4 pixel rgb(186, 71, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 71, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 71, 147);  
box-shadow:4px 4px 4px 4px rgb(186, 71,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0522, 0.3740, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 71, 147) }
```

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

```
.background{ background-color: rgb(186, 71,  
147) }
```

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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