

Converting Colors

$Y_{xy}(17.7127, 0.3516, 0.2445)$

Have a look what the booklet for
Yxy(17.7127, 0.3516, 0.2445)
contains.

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Color

Yxy(17.7127, 0.3516, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	AB5892
RGB	171, 88, 146
RGB Percent	67%, 35%, 57%
CMY	0.3294, 0.6549, 0.4275
CMYK	0.00, 0.49, 0.15, 0.33
HSL	318°, 33%, 51%
HSV	318°, 49%, 67%
XYZ	25.4715, 17.7127, 29.2604
YIQ	119.4290, 30.8500, 35.6340

Conversions

Conversions Part 2

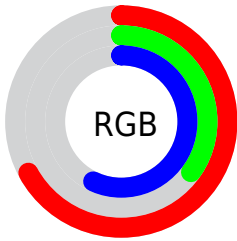
Format	Color
R_{YB}	171, 88, 146
Decimal	11229330
CIE _{Lab}	49.15, 41.56, -16.74
CIE _{LCh}	49, 44.806, 338.057
Yxy	17.7127, 0.3516, 0.2445
Android (android.graphics.Color)	4289419410 (0xFFAB5892)
YUV	119.4290, 13.0995, 45.2278
Hunter-Lab	42.0865, 34.3802, -11.7605

Details

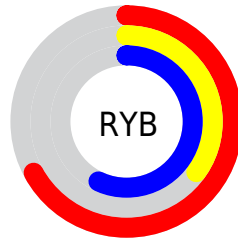
The Yxy color **17.7127, 0.3516, 0.2445** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **32.3952, 0.2887, 0.4336**, and the grayscale version is **18.5417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4203, 0.3436, 0.2615**, and **5.9313, 0.3668, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **15.0707, 0.3629, 0.2294**, and if you desaturate by 10%, it is **21.0221, 0.3414, 0.2614**.

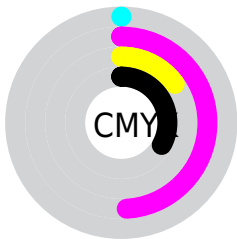
Distribution



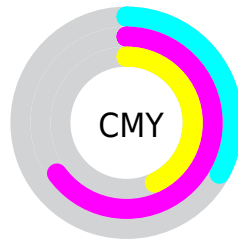
- Red (67%)
- Green (35%)
- Blue (57%)



- Red (67%)
- Yellow (35%)
- Blue (57%)



- Cyan (0%)
- Magenta (49%)
- Yellow (15%)
- Black (33%)




- Cyan (33%)
- Magenta (65%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7127, 0.3516, 0.2445 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 17.7127, 0.3516, 0.2445 by changing the saturation by 10% instead.


 17.7127, 0.3516,
0.2445


 17.7127, 0.3516,
0.2445


239.2467, 0.3306,
0.2903


 10.7439, 0.3574,
0.2319


 39.5472, 0.3436,
0.2620


 5.8949, 0.3652,
0.2150


 55.1816, 0.3407,
0.2683

 2.7813, 0.3760,
0.1912

 74.4735, 0.3383,
0.2735

 1.0186, 0.3922,
0.1558

 97.8070, 0.3362,
0.2779

 0.0000, 0.4640,
0.0000

125.5667, 0.3345,
0.2817

 0.0000, 0.0000,
0.0000

158.1370, 0.3330,

0.2849

195.9022, 0.3317,
0.2878

■ 17.7127, 0.3516,
0.2445

■ 17.7127, 0.3516,
0.2445

■ 15.0707, 0.3629,
0.2294

■ 21.0221, 0.3414,
0.2614

■ 13.0467, 0.3750,
0.2172

■ 25.0386, 0.3323,
0.2792

■ 11.5886, 0.3876,
0.2088

■ 29.8020, 0.3244,
0.2971


■ 10.6344, 0.4002,
0.2050

■ 35.3480, 0.3177,
0.3146

■ 10.0734, 0.4127,
0.2056

■ 41.7104, 0.3119,
0.3314

 10.0007, 0.4145,
0.2057

 48.9207, 0.3071,
0.3472

 57.0091, 0.3030,
0.3619

 66.0038, 0.2996,
0.3755

 75.9322, 0.2968,
0.3880

Harmonies

Analogous

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



17.7127, 0.2662, 0.2114



17.7127, 0.3516, 0.2445



17.7127, 0.4351, 0.2948

Triad

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



17.7127, 0.3516, 0.2445



17.7127, 0.4171, 0.4696



17.7127, 0.1698, 0.2673

Complementary

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



17.7127, 0.3516, 0.2445



32.3952, 0.2887, 0.4336

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.



17.7127, 0.1991, 0.3510



17.7127, 0.3516, 0.2445



17.7127, 0.3402, 0.4883

Square

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



17.7127, 0.3516, 0.2445



17.7127, 0.4706, 0.4161



17.7127, 0.2602, 0.4427



17.7127, 0.1722, 0.2179

Rectangle

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



17.7127, 0.3516, 0.2445



17.7127, 0.4712, 0.3339



17.7127, 0.2602, 0.4427



17.7127, 0.1759, 0.2918

Sweetspot

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



17.7135, 0.3516, 0.2445



56.4616, 0.3221, 0.3029



13.4256, 0.2475, 0.1884



12.1558, 0.3236, 0.2993



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



17.7135, 0.3516, 0.2445



26.7866, 0.3635, 0.2287



16.6508, 0.4168, 0.3042



8.1063, 0.3182, 0.3133



7.5484, 0.4134, 0.2051



0.2191, 0.3795, 0.1864

Inverse Universe

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



17.7135, 0.3516, 0.2445



26.7866, 0.3635, 0.2287



33.5488, 0.2603, 0.3571



8.1063, 0.3182, 0.3133



7.5484, 0.4134, 0.2051



0.2191, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 17.7127, 0.3516, 0.2445 looks on a white background.

Color Contrast Check

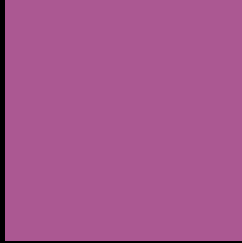
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7127, 0.3516, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

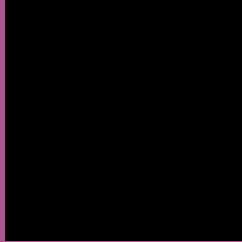
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7127, 0.3516, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 17.7127, 0.3516, 0.2445.



This preview shows how white text looks on a background with the Yxy color 17.7127, 0.3516, 0.2445.

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

17.7127, 0.3516, 0.2445

Protanopia

18.0107, 0.2463, 0.2399

Deuteranopia

17.9665, 0.2858, 0.2810



Tritanopia

17.7644, 0.4070, 0.3183

Trichromacy



Original Color

17.7127, 0.3516, 0.2445

Protanomaly

17.2469, 0.2767, 0.2384

Deuteranomaly

17.4047, 0.3079, 0.2637

Tritanomaly

17.6621, 0.3864, 0.2907

Monochromacy



Original Color

17.7127, 0.3516, 0.2445

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.7134, 0.3265, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7127, 0.3516, 0.2445 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(171, 88, 146)` looks like.

```
.text, #text, p{  
    color:rgb(171, 88, 146)  
}
```

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(171, 88, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 88, 146) }
```

Border

The CSS property to change the border of an element to Yxy 17.7127, 0.3516, 0.2445 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(171, 88, 146) }
```

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

```
.border{ border-color:rgb(171, 88, 146) }
```

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

Here you see how a box with a 4 pixel rgb(171, 88, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 88, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 88, 146);  
box-shadow:4px 4px 4px 4px rgb(171, 88,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7127, 0.3516, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 88, 146) }
```

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

```
.background{ background-color: rgb(171, 88,  
146) }
```

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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