

Converting Colors

$Y_{xy}(17.3651, 0.3395, 0.2278)$

Have a look what the booklet for
Yxy(17.3651, 0.3395, 0.2278)
contains.

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Color

Yxy(17.3651, 0.3395, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	AB549B
RGB	171, 84, 155
RGB Percent	67%, 33%, 61%
CMY	0.3294, 0.6706, 0.3923
CMYK	0.00, 0.51, 0.09, 0.33
HSL	311°, 34%, 50%
HSV	311°, 51%, 67%
XYZ	25.8799, 17.3651, 32.9845
YIQ	118.1070, 29.0610, 40.5250

Conversions

Conversions Part 2

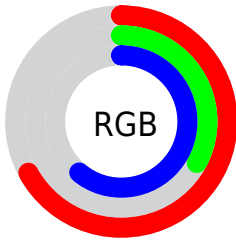
Format	Color
R_{YB}	171, 84, 155
Decimal	11228315
CIE _{Lab}	48.72, 45.12, -22.74
CIE _{LCh}	49, 50.530, 333.253
Yxy	17.3651, 0.3395, 0.2278
Android (android.graphics.Color)	4289418395 (0xFFAB549B)
YUV	118.1070, 18.1882, 46.3872
Hunter-Lab	41.6715, 37.9319, -17.7603

Details

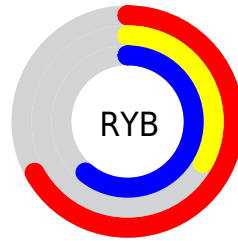
The Yxy color **17.3651, 0.3395, 0.2278** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.9339, 0.2948, 0.4588**, and the grayscale version is **18.0877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0384, 0.3341, 0.2481**, and **5.6925, 0.3450, 0.1927** is the 20% darker color. If you saturate the color by 10%, you get **14.9228, 0.3464, 0.2114**, and if you desaturate by 10%, it is **20.4597, 0.3330, 0.2465**.

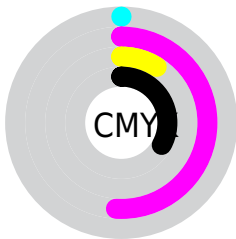
Distribution



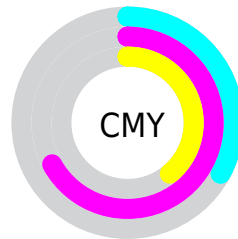
- Red (67%)
- Green (33%)
- Blue (61%)



- Red (67%)
- Yellow (33%)
- Blue (61%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (33%)





- Cyan (33%)
- Magenta (67%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3651, 0.3395, 0.2278 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 17.3651, 0.3395, 0.2278 by changing the saturation by 10% instead.


 17.3651, 0.3395,
0.2278


 17.3651, 0.3395,
0.2278


237.2676, 0.3260,
0.2818


 10.4951, 0.3428,
0.2133


 38.9524, 0.3346,
0.2482


 5.7285, 0.3468,
0.1941


 54.4386, 0.3328,
0.2556


 2.6807, 0.3518,
0.1679

 73.5657, 0.3312,
0.2618

 0.9674, 0.3575,
0.1304

 96.7180, 0.3299,
0.2671

 0.0000, 0.3909,
0.0000

 124.2799, 0.3287,
0.2715

 0.0000, 0.0000,
0.0000

156.6359, 0.3277,

0.2754

194.1704, 0.3268,
0.2788

■ 17.3651, 0.3395,
0.2278

■ 17.3651, 0.3395,
0.2278

■ 14.9228, 0.3464,
0.2114

■ 20.4597, 0.3330,
0.2465

■ 13.0825, 0.3534,
0.1982

■ 24.2475, 0.3271,
0.2666

■ 11.7902, 0.3605,
0.1891

■ 28.7687, 0.3218,
0.2871

■ 10.9814, 0.3674,
0.1844

■ 34.0597, 0.3171,
0.3076

■ 10.5368, 0.3735,
0.1831

■ 40.1547, 0.3130,
0.3273

■ 47.0857, 0.3095,
0.3461

■ 54.8829, 0.3065,
0.3637

■ 63.5751, 0.3040,
0.3800

■ 73.1896, 0.3019,
0.3950

Harmonies

Analogous

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



17.3651, 0.2468, 0.1955



17.3651, 0.3395, 0.2278



17.3651, 0.4381, 0.2800

Triad

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



17.3651, 0.3395, 0.2278



17.3651, 0.4387, 0.4761



17.3651, 0.1570, 0.2704

Complementary

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



17.3651, 0.3395, 0.2278



31.9339, 0.2948, 0.4588

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.



17.3651, 0.1937, 0.3707



17.3651, 0.3395, 0.2278



17.3651, 0.3551, 0.5114

Square

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



17.3651, 0.3395, 0.2278



17.3651, 0.4943, 0.4111



17.3651, 0.2654, 0.4741



17.3651, 0.1550, 0.2104

Rectangle

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



17.3651, 0.3395, 0.2278



17.3651, 0.4848, 0.3214



17.3651, 0.2654, 0.4741



17.3651, 0.1651, 0.2999

Sweetspot

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



17.3659, 0.3395, 0.2278



56.6607, 0.3191, 0.2987



11.9892, 0.2327, 0.1769



12.2058, 0.3201, 0.2945



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.



17.3659, 0.3395, 0.2278



26.2720, 0.3472, 0.2096



16.1604, 0.4073, 0.2879



8.1224, 0.3165, 0.3107



7.9498, 0.3729, 0.1828



0.2276, 0.3546, 0.1727

Inverse Universe

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



17.3659, 0.3395, 0.2278



26.2720, 0.3472, 0.2096



33.0100, 0.2652, 0.3771



8.1224, 0.3165, 0.3107



7.9498, 0.3729, 0.1828



0.2276, 0.3546, 0.1727

Previews

White Background



This preview shows how the Yxy color 17.3651, 0.3395, 0.2278 looks on a white background.

Color Contrast Check

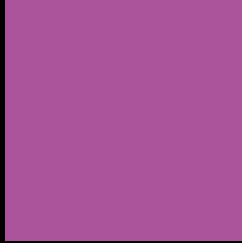
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.3651, 0.3395, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

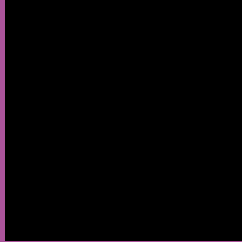
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3651, 0.3395, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 17.3651, 0.3395, 0.2278.



This preview shows how white text looks on a background with the Yxy color 17.3651, 0.3395, 0.2278.

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

17.3651, 0.3395, 0.2278

Protanopia

17.6165, 0.2295, 0.2166

Deuteranopia

17.5516, 0.2688, 0.2627



Tritanopia

17.3443, 0.4064, 0.3182

Trichromacy



Original Color

17.3651, 0.3395, 0.2278

Protanomaly

16.6677, 0.2601, 0.2169

Deuteranomaly

16.8730, 0.2911, 0.2452

Tritanomaly

17.2749, 0.3811, 0.2829

Monochromacy



Original Color

17.3651, 0.3395, 0.2278

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.2651, 0.3229, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3651, 0.3395, 0.2278 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, 84, 155)` looks like.

```
.text, #text, p{  
    color:rgb(171, 84, 155)  
}
```

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, 84, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 84, 155) }
```

Border

The CSS property to change the border of an element to Yxy 17.3651, 0.3395, 0.2278 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, 84, 155) }
```

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

```
.border{ border-color:rgb(171, 84, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 84, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 84, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 84, 155);  
box-shadow:4px 4px 4px 4px rgb(171, 84,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3651, 0.3395, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 84, 155) }
```

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

```
.background{ background-color: rgb(171, 84,  
155) }
```

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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