

Converting Colors

$Y_{xy}(17.4874, 0.2797, 0.1628)$

Have a look what the booklet for
Yxy(17.4874, 0.2797, 0.1628)
contains.

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Color

Yxy(17.4945, 0.2795, 0.1623)

Conversions

Conversions Part 1

Format	Color
Hex	AB46CE
RGB	171, 70, 206
RGB Percent	67%, 27%, 81%
CMY	0.3293, 0.7255, 0.1922
CMYK	0.17, 0.66, 0.00, 0.19
HSL	285°, 58%, 54%
HSV	285°, 66%, 81%
XYZ	30.1276, 17.4945, 60.1690
YIQ	115.7030, 16.5400, 63.7080

Conversions

Conversions Part 2

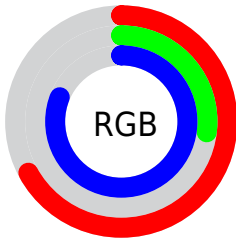
Format	Color
R_{YB}	171, 70, 206
Decimal	11224782
CIE _{Lab}	48.88, 61.27, -52.27
CIE _{LCh}	49, 80.535, 319.536
Yxy	17.4945, 0.2795, 0.1623
Android (android.graphics.Color)	4289414862 (0xFFAB46CE)
YUV	115.7030, 44.5164, 48.4955
Hunter-Lab	41.8264, 55.3775, -56.0126

Details

The Yxy color **17.4945, 0.2795, 0.1623** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **47.5752, 0.3221, 0.5285**, and the grayscale version is **17.2269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5452, 0.2955, 0.1974**, and **5.8792, 0.2621, 0.1218** is the 20% darker color. If you saturate the color by 10%, you get **14.7630, 0.2726, 0.1441**, and if you desaturate by 10%, it is **21.1346, 0.2862, 0.1843**.

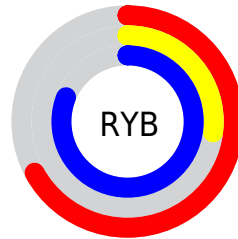
Distribution



Red (67%)

Green (27%)

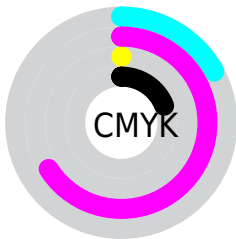
Blue (81%)



Red (67%)

Yellow (27%)

Blue (81%)

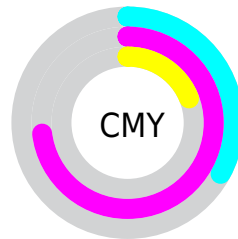


Cyan (17%)

Magenta (66%)

Yellow (0%)

Black (19%)



Cyan (33%)


Magenta (73%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.4945, 0.2795, 0.1623 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 17.4945, 0.2795, 0.1623 by changing the saturation by 10% instead.


 17.4945, 0.2795,
0.1623


 17.4945, 0.2795,
0.1623


238.0061, 0.3018,
0.2440


 10.5877, 0.2721,
0.1435


 39.1741, 0.2890,
0.1911


 5.7903, 0.2617,
0.1206


 54.7156, 0.2921,
0.2022


 2.7180, 0.2463,
0.0929


 73.9041, 0.2946,
0.2117

 0.9863, 0.2225,
0.0603

 97.1241, 0.2966,
0.2199

 0.0000, 0.1889,
0.0000

 124.7599, 0.2983,
0.2271

 0.0000, 0.0967,
0.0000

157.1959, 0.2997,

 0.0000, 0.0000,

0.2334

0.0000

194.8165, 0.3008,
0.2390

■ 17.4945, 0.2795,
0.1623

■ 17.4945, 0.2795,
0.1623

■ 14.7630, 0.2726,
0.1441

■ 21.1346, 0.2862,
0.1843

■ 12.8428, 0.2656,
0.1304

■ 25.7629, 0.2924,
0.2090

■ 11.6161, 0.2588,
0.1214

■ 31.4524, 0.2981,
0.2354

■ 11.2314, 0.2562,
0.1185

■ 38.2687, 0.3030,
0.2623

■ 46.2720, 0.3073,
0.2888

■ 55.5182, 0.3109,
0.3143

■ 66.0596, 0.3138,
0.3384

■ 77.9453, 0.3162,
0.3607

■ 90.9851, 0.3181,
0.3808

Harmonies

Analogous

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



17.4945, 0.1692, 0.1351



17.4945, 0.2795, 0.1623



17.4945, 0.4382, 0.2182

Triad

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



17.4945, 0.2795, 0.1623



17.4945, 0.5205, 0.4700



17.4945, 0.1066, 0.2901

Complementary

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



17.4945, 0.2795, 0.1623



47.5752, 0.3221, 0.5285

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.



17.4945, 0.1695, 0.4842



17.4945, 0.2795, 0.1623



17.4945, 0.4043, 0.5764

Square

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



17.4945, 0.2795, 0.1623



17.4945, 0.5908, 0.3718



17.4945, 0.2799, 0.6183



17.4945, 0.0921, 0.1802

Rectangle

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



17.4945, 0.2795, 0.1623



17.4945, 0.5357, 0.2662



17.4945, 0.2799, 0.6183



17.4945, 0.1213, 0.3478

Sweetspot

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



17.4952, 0.2795, 0.1623



69.2639, 0.3056, 0.2777



16.1172, 0.1974, 0.1688



14.0433, 0.3043, 0.2701



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.4952, 0.2795, 0.1623



22.5445, 0.2698, 0.1381



20.5637, 0.3597, 0.2095



11.2530, 0.3097, 0.3059



6.9659, 0.2572, 0.1190



0.3944, 0.2702, 0.1262

Inverse Universe

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



18.5167, 0.4714, 0.2892



24.8833, 0.5253, 0.2898



46.3889, 0.2888, 0.4967



11.2602, 0.3250, 0.3231



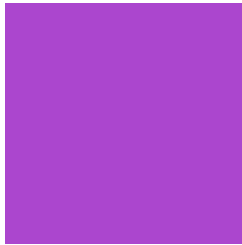
8.2515, 0.5889, 0.3018



0.4384, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 17.4945, 0.2795, 0.1623 looks on a white background.

Color Contrast Check

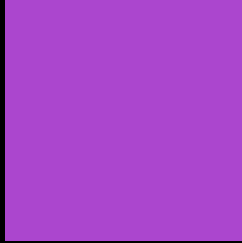
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.4945, 0.2795, 0.1623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

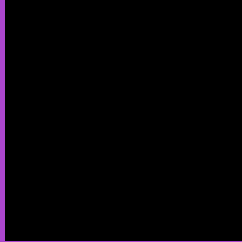
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.4945, 0.2795, 0.1623

Background



This preview shows how black text looks on a background with the Yxy color 17.4945, 0.2795, 0.1623.



This preview shows how white text looks on a background with the Yxy color 17.4945, 0.2795, 0.1623.

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

17.4945, 0.2795, 0.1623

Protanopia

17.8203, 0.1735, 0.1447

Deuteranopia

17.9179, 0.2005, 0.1956



Tritanopia

17.3652, 0.3852, 0.3160

Trichromacy



Original Color

17.4945, 0.2795, 0.1623



Protanomaly

15.1196, 0.1833, 0.1377



Deuteranomaly

16.1868, 0.2181, 0.1736



Tritanomaly

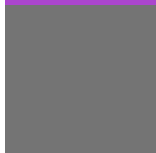
16.8398, 0.3419, 0.2450

Monochromacy



Original Color

17.4945, 0.2795, 0.1623



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.3278, 0.2996, 0.2441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4945, 0.2795, 0.1623 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, 70, 206)` looks like.

```
.text, #text, p{  
    color:rgb(171, 70, 206)  
}
```

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, 70, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 70, 206) }
```

Border

The CSS property to change the border of an element to Yxy 17.4945, 0.2795, 0.1623 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, 70, 206) }
```

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

```
.border{ border-color:rgb(171, 70, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 70, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 70, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 70, 206);  
box-shadow:4px 4px 4px 4px rgb(171, 70,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 17.4945, 0.2795, 0.1623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 70, 206) }
```

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

```
.background{ background-color: rgb(171, 70,  
206) }
```

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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