

Converting Colors

$Y_{xy}(17.7597, 0.2544, 0.1494)$

Have a look what the booklet for
Yxy(17.7597, 0.2544, 0.1494)
contains.

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Color

Yxy(17.7797, 0.2539, 0.1495)

Conversions

Conversions Part 1

Format	Color
Hex	A04BDE
RGB	160, 75, 222
RGB Percent	63%, 29%, 87%
CMY	0.3726, 0.7058, 0.1294
CMYK	0.28, 0.66, 0.00, 0.13
HSL	275°, 69%, 58%
HSV	275°, 66%, 87%
XYZ	30.1958, 17.7797, 70.9523
YIQ	117.1730, 3.4730, 63.7370

Conversions

Conversions Part 2

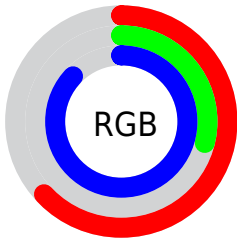
Format	Color
RYB	160, 75, 222
Decimal	10505182
CIELab	49.23, 60.02, -60.93
CIELCh	49, 85.526, 314.567
Yxy	17.7797, 0.2539, 0.1495
Android (android.graphics.Color)	4288695262 (0xFFA04BDE)
YUV	117.1730, 51.6797, 37.5593
Hunter-Lab	42.1660, 54.0363, -70.2505

Details

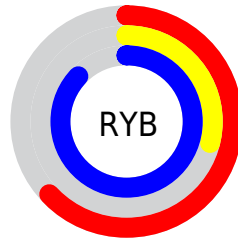
The Yxy color **17.7797, 0.2539, 0.1495** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **58.0764, 0.3377, 0.5200**, and the grayscale version is **17.6831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8259, 0.2860, 0.1974**, and **5.9246, 0.2290, 0.1075** is the 20% darker color. If you saturate the color by 10%, you get **14.3462, 0.2425, 0.1282**, and if you desaturate by 10%, it is **22.3376, 0.2652, 0.1747**.

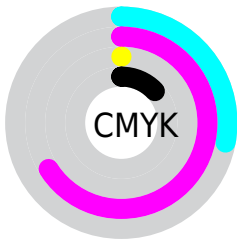
Distribution



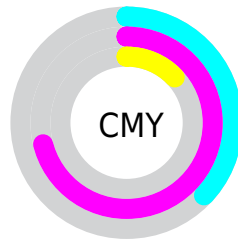
- Red (63%)
- Green (29%)
- Blue (87%)



- Red (63%)
- Yellow (29%)
- Blue (87%)



- Cyan (28%)
- Magenta (66%)
- Yellow (0%)
- Black (13%)




- Cyan (37%)
- Magenta (71%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7797, 0.2539, 0.1495 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 17.7797, 0.2539, 0.1495 by changing the saturation by 10% instead.


 17.7797, 0.2539,
0.1495


 17.7797, 0.2539,
0.1495


239.6264, 0.2898,
0.2356


 10.7919, 0.2433,
0.1304


 39.6616, 0.2682,
0.1792


 5.9271, 0.2291,
0.1077


 55.3245, 0.2733,
0.1909


 2.8008, 0.2093,
0.0811


 74.6479, 0.2773,
0.2010

 1.0286, 0.1811,
0.0510

 98.0162, 0.2807,
0.2097

 0.0000, 0.1433,
0.0000

 125.8138, 0.2835,
0.2174

 0.0000, 0.0665,
0.0000

158.4251, 0.2859,

 0.0000, 0.0000,

0.2242

0.0000

196.2345, 0.2880,
0.2302

■ 17.7797, 0.2539,
0.1495

■ 17.7797, 0.2539,
0.1495

■ 14.3462, 0.2425,
0.1282

■ 22.3376, 0.2652,
0.1747

■ 11.9186, 0.2314,
0.1117

■ 28.1176, 0.2760,
0.2023

■ 10.3527, 0.2210,
0.1005

■ 35.2091, 0.2859,
0.2311

■ 9.8890, 0.2173,
0.0971

■ 43.6921, 0.2947,
0.2598

■ 53.6400, 0.3025,
0.2875

■ 65.1213, 0.3091,
0.3137

■ 78.1998, 0.3147,
0.3380

■ 92.9356, 0.3194,
0.3601

■ 96.0799, 0.3252,
0.3618

Harmonies

Analogous

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



17.7797, 0.1504, 0.1269



17.7797, 0.2539, 0.1495



17.7797, 0.4154, 0.2021

Triad

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



17.7797, 0.2539, 0.1495



17.7797, 0.5432, 0.4525



17.7797, 0.1052, 0.3150

Complementary

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



17.7797, 0.2539, 0.1495



58.0764, 0.3377, 0.5200

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.



17.7797, 0.1777, 0.5296



17.7797, 0.2539, 0.1495



17.7797, 0.4261, 0.5692

Square

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



17.7797, 0.2539, 0.1495



17.7797, 0.6066, 0.3543



17.7797, 0.2951, 0.6381



17.7797, 0.0848, 0.1857

Rectangle

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



17.7797, 0.2539, 0.1495



17.7797, 0.5251, 0.2496



17.7797, 0.2951, 0.6381



17.7797, 0.1227, 0.3816

Sweetspot

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



17.7804, 0.2539, 0.1495



67.8102, 0.2996, 0.2767



25.1528, 0.2054, 0.2044



13.6933, 0.2974, 0.2688



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.



17.7804, 0.2539, 0.1495



18.3622, 0.2386, 0.1220



25.3290, 0.3304, 0.1878



13.6325, 0.3071, 0.3054



5.9402, 0.2187, 0.0978



0.4641, 0.2340, 0.1063

Inverse Universe

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



22.3724, 0.4343, 0.2614



25.7077, 0.4735, 0.2581



54.3958, 0.2991, 0.5307



13.7960, 0.3226, 0.3191



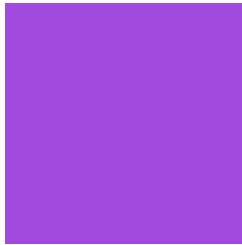
9.7220, 0.5279, 0.2682



0.6915, 0.4884, 0.2464

Previews

White Background



This preview shows how the Yxy color 17.7797, 0.2539, 0.1495 looks on a white background.

Color Contrast Check

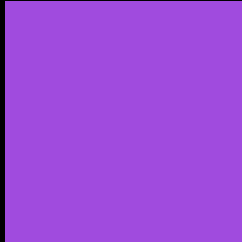
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7797, 0.2539, 0.1495 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

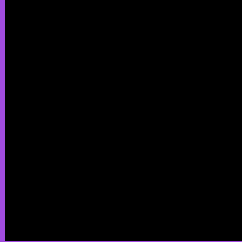
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7797, 0.2539, 0.1495

Background



This preview shows how black text looks on a background with the Yxy color 17.7797, 0.2539, 0.1495.



This preview shows how white text looks on a background with the Yxy color 17.7797, 0.2539, 0.1495.

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

17.7797, 0.2539, 0.1495

Protanopia

18.1015, 0.1737, 0.1454

Deuteranopia

17.8968, 0.1829, 0.1783



Tritanopia

17.7369, 0.3493, 0.3149

Trichromacy



Original Color

17.7797, 0.2539, 0.1495



Protanomaly

15.7064, 0.1809, 0.1358



Deuteranomaly

15.5063, 0.1874, 0.1541



Tritanomaly

17.1219, 0.3092, 0.2354

Monochromacy



Original Color

17.7797, 0.2539, 0.1495



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.8558, 0.2890, 0.2395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7797, 0.2539, 0.1495 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(160, 75, 222)` looks like.

```
.text, #text, p{  
    color:rgb(160, 75, 222)  
}
```

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(160, 75, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 75, 222) }
```

Border

The CSS property to change the border of an element to Yxy 17.7797, 0.2539, 0.1495 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(160, 75, 222) }
```

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

```
.border{ border-color:rgb(160, 75, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 75, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 75, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 75, 222);  
box-shadow:4px 4px 4px 4px rgb(160, 75,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7797, 0.2539, 0.1495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 75, 222) }
```

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

```
.background{ background-color: rgb(160, 75,  
222) }
```

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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