

Converting Colors

$Y_{xy}(17.7511, 0.2418, 0.1426)$

Have a look what the booklet for
Yxy(17.7511, 0.2418, 0.1426)
contains.

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Color

Yxy(17.6544, 0.2413, 0.1420)

Conversions

Conversions Part 1

Format	Color
Hex	994CE6
RGB	153, 76, 230
RGB Percent	60%, 30%, 90%
CMY	0.4000, 0.7019, 0.0981
CMYK	0.33, 0.67, 0.00, 0.10
HSL	270°, 75%, 60%
HSV	270°, 67%, 90%
XYZ	30.0000, 17.6544, 76.6723
YIQ	116.5790, -3.5420, 64.2180

Conversions

Conversions Part 2

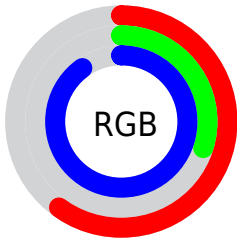
Format	Color
RYB	153, 76, 230
Decimal	10046694
CIELab	49.07, 59.94, -65.74
CIElCh	49, 88.961, 312.360
Yxy	17.6544, 0.2413, 0.1420
Android (android.graphics.Color)	4288236774 (0xFF994CE6)
YUV	116.5790, 55.9166, 31.9412
Hunter-Lab	42.0171, 53.9182, -78.7796

Details

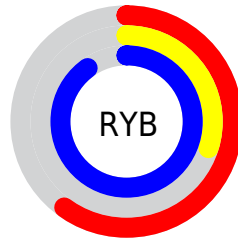
The Yxy color **17.6544, 0.2413, 0.1420** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **63.8759, 0.3459, 0.5171**, and the grayscale version is **17.4798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1823, 0.2809, 0.1964**, and **5.8509, 0.2137, 0.1003** is the 20% darker color. If you saturate the color by 10%, you get **13.9661, 0.2281, 0.1196**, and if you desaturate by 10%, it is **22.5838, 0.2546, 0.1684**.

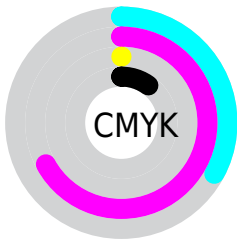
Distribution



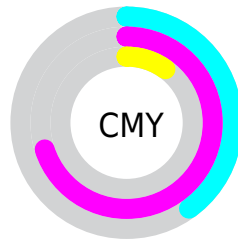
- Red (60%)
- Green (30%)
- Blue (90%)



- Red (60%)
- Yellow (30%)
- Blue (90%)



- Cyan (33%)
- Magenta (67%)
- Yellow (0%)
- Black (10%)




- Cyan (40%)
- Magenta (70%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6544, 0.2413, 0.1420 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 17.6544, 0.2413, 0.1420 by changing the saturation by 10% instead.

 17.6544, 0.2413,
0.1420


 17.6544, 0.2413,
0.1420


238.9158, 0.2837,
0.2307


 10.7022, 0.2293,
0.1228


 39.4475, 0.2579,
0.1723


 5.8669, 0.2134,
0.1002


 55.0572, 0.2638,
0.1843


 2.7643, 0.1919,
0.0741


 74.3215, 0.2687,
0.1947

 1.0100, 0.1623,
0.0454

 97.6248, 0.2727,
0.2038

 0.0000, 0.1237,
0.0000

 125.3515, 0.2761,
0.2117

 0.0000, 0.0528,
0.0000

157.8859, 0.2790,

 0.0000, 0.0000,

0.2188

0.0000

195.6126, 0.2815,
0.2250

■ 17.6544, 0.2413,
0.1420

■ 17.6544, 0.2413,
0.1420

■ 13.9661, 0.2281,
0.1196

■ 22.5838, 0.2546,
0.1684

■ 11.3869, 0.2155,
0.1025

■ 28.8638, 0.2674,
0.1972


■ 9.7505, 0.2042,
0.0909


■ 36.5935, 0.2794,
0.2271

■ 9.3553, 0.2010,
0.0881


■ 45.8620, 0.2901,
0.2567

■ 56.7510, 0.2996,
0.2851

 69.3363, 0.3078,
0.3118

 83.6888, 0.3147,
0.3362

 96.6427, 0.3210,
0.3537

 98.4919, 0.3274,
0.3532

Harmonies

Analogous

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



17.6544, 0.1404, 0.1213



17.6544, 0.2413, 0.1420



17.6544, 0.4055, 0.1932

Triad

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



17.6544, 0.2413, 0.1420



17.6544, 0.5559, 0.4441



17.6544, 0.1023, 0.3273

Complementary

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



17.6544, 0.2413, 0.1420



63.8759, 0.3459, 0.5171

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.



17.6544, 0.1793, 0.5555



17.6544, 0.2413, 0.1420



17.6544, 0.4349, 0.5651

Square

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



17.6544, 0.2413, 0.1420



17.6544, 0.6169, 0.3451



17.6544, 0.3002, 0.6496



17.6544, 0.0796, 0.1866

Rectangle

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



17.6544, 0.2413, 0.1420



17.6544, 0.5223, 0.2406



17.6544, 0.3002, 0.6496



17.6544, 0.1211, 0.3997

Sweetspot

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



17.6550, 0.2413, 0.1420



67.1458, 0.2967, 0.2763



30.8802, 0.2088, 0.2218



13.5341, 0.2941, 0.2683



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.



17.6550, 0.2413, 0.1420



16.3591, 0.2236, 0.1130



27.2814, 0.3171, 0.1777



14.2393, 0.3058, 0.3053



5.3703, 0.2026, 0.0889



0.4521, 0.2184, 0.0977

Inverse Universe

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



24.2909, 0.4183, 0.2481



25.9278, 0.4515, 0.2430



58.7476, 0.3036, 0.5440



14.4876, 0.3214, 0.3173



10.2498, 0.4954, 0.2503



0.7762, 0.4631, 0.2325

Previews

White Background



This preview shows how the Yxy color 17.6544, 0.2413, 0.1420 looks on a white background.

Color Contrast Check

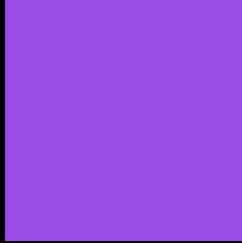
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6544, 0.2413, 0.1420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

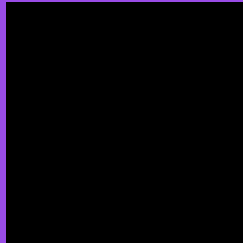
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6544, 0.2413, 0.1420

Background



This preview shows how black text looks on a background with the Yxy color 17.6544, 0.2413, 0.1420.



This preview shows how white text looks on a background with the Yxy color 17.6544, 0.2413, 0.1420.

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

17.6544, 0.2413, 0.1420

Protanopia

17.9833, 0.1741, 0.1467

Deuteranopia

17.7971, 0.1834, 0.1803



Tritanopia

17.6063, 0.3308, 0.3143

Trichromacy



Original Color

17.6544, 0.2413, 0.1420



Protanomaly

15.9533, 0.1800, 0.1355



Deuteranomaly

15.5510, 0.1860, 0.1522



Tritanomaly

16.8140, 0.2930, 0.2298

Monochromacy



Original Color

17.6544, 0.2413, 0.1420



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7172, 0.2821, 0.2343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6544, 0.2413, 0.1420 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(153, 76, 230)` looks like.

```
.text, #text, p{  
  color:rgb(153, 76, 230)  
}
```

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(153, 76, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 76, 230) }
```

Border

The CSS property to change the border of an element to Yxy 17.6544, 0.2413, 0.1420 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(153, 76, 230) }
```

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

```
.border{ border-color:rgb(153, 76, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 76, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 76, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 76, 230);  
box-shadow:4px 4px 4px 4px rgb(153, 76,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6544, 0.2413, 0.1420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 76, 230) }
```

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

```
.background{ background-color: rgb(153, 76,  
230) }
```

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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