

Converting Colors

$Y_{xy}(16.7839, 0.3010, 0.2193)$

Have a look what the booklet for
Yxy(16.7839, 0.3010, 0.2193)
contains.

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Color

Yxy(16.7827, 0.3010, 0.2195)

Conversions

Conversions Part 1

Format	Color
Hex	965CA3
RGB	150, 92, 163
RGB Percent	59%, 36%, 64%
CMY	0.4117, 0.6392, 0.3609
CMYK	0.08, 0.44, 0.00, 0.36
HSL	289°, 28%, 50%
HSV	289°, 44%, 64%
XYZ	23.0141, 16.7827, 36.6620
YIQ	117.4360, 11.7770, 34.3770

Conversions

Conversions Part 2

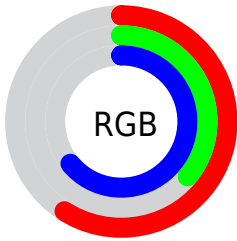
Format	Color
R_{YB}	150, 92, 163
Decimal	9854115
CIE _{Lab}	47.99, 35.84, -28.82
CIE _{LCh}	48, 45.993, 321.199
Yxy	16.7827, 0.3010, 0.2195
Android (android.graphics.Color)	4288044195 (0xFF965CA3)
YUV	117.4360, 22.4631, 28.5586
Hunter-Lab	40.9667, 28.5852, -24.3832

Details

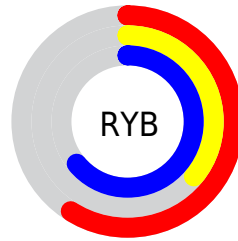
The Yxy color **16.7827, 0.3010, 0.2195** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.9577, 0.3177, 0.4566**, and the grayscale version is **17.8583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9876, 0.3046, 0.2421**, and **5.4168, 0.2916, 0.1823** is the 20% darker color. If you saturate the color by 10%, you get **13.9780, 0.2970, 0.1958**, and if you desaturate by 10%, it is **20.2033, 0.3045, 0.2447**.

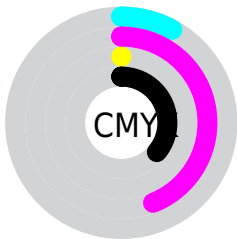
Distribution



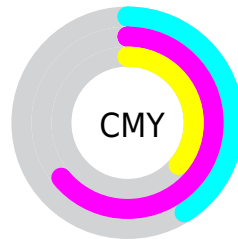
- Red (59%)
- Green (36%)
- Blue (64%)



- Red (59%)
- Yellow (36%)
- Blue (64%)



- Cyan (8%)
- Magenta (44%)
- Yellow (0%)
- Black (36%)



- Cyan (41%)
- Magenta (64%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7827, 0.3010, 0.2195 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 16.7827, 0.3010, 0.2195 by changing the saturation by 10% instead.


 16.7827, 0.3010,
0.2195


 16.7827, 0.3010,
0.2195


233.9170, 0.3095,
0.2781


 10.0797, 0.2977,
0.2038


 37.9518, 0.3049,
0.2416


 5.4518, 0.2927,
0.1832


 53.1866, 0.3061,
0.2497

 2.5147, 0.2842,
0.1551

 72.0342, 0.3070,
0.2564

 0.8840, 0.2686,
0.1157

 94.8789, 0.3077,
0.2621

 0.0000, 0.2472,
0.0000

122.1052, 0.3083,
0.2669

 0.0000, 0.0000,
0.0000

154.0974, 0.3087,

0.2712

191.2398, 0.3091,
0.2748

■ 16.7827, 0.3010,
0.2195

■ 16.7827, 0.3010,
0.2195

■ 13.9780, 0.2970,
0.1958

■ 20.2033, 0.3045,
0.2447

■ 11.7478, 0.2927,
0.1745

■ 24.2737, 0.3075,
0.2705

■ 10.0488, 0.2881,
0.1567


■ 29.0275, 0.3100,
0.2960

■ 8.8305, 0.2833,
0.1430


■ 34.4957, 0.3121,
0.3206

■ 8.0327, 0.2786,
0.1337

■ 40.7071, 0.3137,
0.3439

 7.6459, 0.2755,
0.1291

 47.6892, 0.3150,
0.3655

 55.4678, 0.3160,
0.3855

 64.0676, 0.3167,
0.4038

 73.5124, 0.3172,
0.4204

Harmonies

Analogous

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



16.7827, 0.2244, 0.1981



16.7827, 0.3010, 0.2195



16.7827, 0.3940, 0.2623

Triad

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



16.7827, 0.3010, 0.2195



16.7827, 0.4563, 0.4451



16.7827, 0.1771, 0.3094

Complementary

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



16.7827, 0.3010, 0.2195



29.9577, 0.3177, 0.4566

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.



16.7827, 0.2263, 0.4086



16.7827, 0.3010, 0.2195



16.7827, 0.3871, 0.4908

Square

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



16.7827, 0.3010, 0.2195



16.7827, 0.4896, 0.3823



16.7827, 0.3031, 0.4843



16.7827, 0.1619, 0.2373

Rectangle

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



16.7827, 0.3010, 0.2195



16.7827, 0.4480, 0.2992



16.7827, 0.3031, 0.4843



16.7827, 0.1897, 0.3411

Sweetspot

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



16.7834, 0.3010, 0.2195



52.2844, 0.3101, 0.2968



15.0256, 0.2371, 0.2216



11.3111, 0.3096, 0.2914



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.7834, 0.3010, 0.2195



25.3057, 0.2973, 0.1971



17.3470, 0.3477, 0.2546



7.1365, 0.3110, 0.3066



5.9628, 0.2759, 0.1294



0.1413, 0.2933, 0.1390

Inverse Universe

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



16.4582, 0.4026, 0.3086



24.7655, 0.4339, 0.3048



29.6849, 0.2899, 0.4183



7.1061, 0.3257, 0.3249



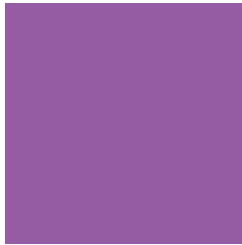
6.1287, 0.6080, 0.3123



0.1343, 0.5244, 0.2662

Previews

White Background



This preview shows how the Yxy color 16.7827, 0.3010, 0.2195 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 16.7827, 0.3010, 0.2195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

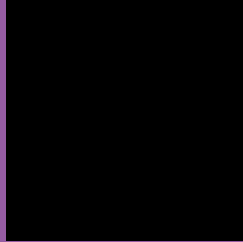
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7827, 0.3010, 0.2195

Background



This preview shows how black text looks on a background with the Yxy color 16.7827, 0.3010, 0.2195.



This preview shows how white text looks on a background with the Yxy color 16.7827, 0.3010, 0.2195.

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

16.7827, 0.3010, 0.2195

Protanopia

17.0075, 0.2250, 0.2108

Deuteranopia

16.9661, 0.2493, 0.2443



Tritanopia

16.8880, 0.3591, 0.3167

Trichromacy



Original Color

16.7827, 0.3010, 0.2195

Protanomaly

16.5387, 0.2467, 0.2120

Deuteranomaly

16.4928, 0.2665, 0.2329

Tritanomaly

16.8370, 0.3375, 0.2780

Monochromacy



Original Color

16.7827, 0.3010, 0.2195

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.1135, 0.3084, 0.2819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7827, 0.3010, 0.2195 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(150, 92, 163)` looks like.

```
.text, #text, p{  
    color:rgb(150, 92, 163)  
}
```

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(150, 92, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 92, 163) }
```

Border

The CSS property to change the border of an element to Yxy 16.7827, 0.3010, 0.2195 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(150, 92, 163) }
```

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

```
.border{ border-color:rgb(150, 92, 163) }
```

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

Here you see how a box with a 4 pixel rgb(150, 92, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 92, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 92, 163);  
box-shadow:4px 4px 4px 4px rgb(150, 92,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7827, 0.3010, 0.2195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 92, 163) }
```

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

```
.background{ background-color: rgb(150, 92,  
163) }
```

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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