

Converting Colors

$Y_{xy}(18.7900, 0.2864, 0.2228)$

Have a look what the booklet for
Yxy(18.7900, 0.2864, 0.2228)
contains.

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Color

Yxy(18.7900, 0.2864, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	9267AC
RGB	146, 103, 172
RGB Percent	57%, 40%, 67%
CMY	0.4274, 0.5961, 0.3254
CMYK	0.15, 0.40, 0.00, 0.33
HSL	277°, 29%, 54%
HSV	277°, 40%, 67%
XYZ	24.1538, 18.7900, 41.3920
YIQ	123.7230, 3.4790, 30.5750

Conversions

Conversions Part 2

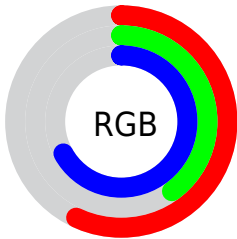
Format	Color
R_{YB}	146, 103, 172
Decimal	9594796
CIE _{Lab}	50.44, 30.32, -30.33
CIE _{LCh}	50, 42.886, 314.992
Yxy	18.7900, 0.2864, 0.2228
Android (android.graphics.Color)	4287784876 (0xFF9267AC)
YUV	123.7230, 23.8006, 19.5369
Hunter-Lab	43.3474, 23.6045, -26.2721

Details

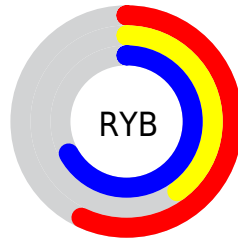
The Yxy color **18.7900, 0.2864, 0.2228** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **35.1576, 0.3297, 0.4414**, and the grayscale version is **19.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4616, 0.2929, 0.2438**, and **6.4440, 0.2742, 0.1897** is the 20% darker color. If you saturate the color by 10%, you get **15.1367, 0.2775, 0.1954**, and if you desaturate by 10%, it is **23.1824, 0.2944, 0.2506**.

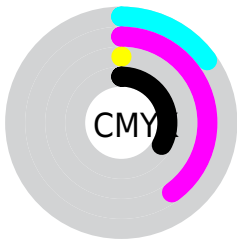
Distribution



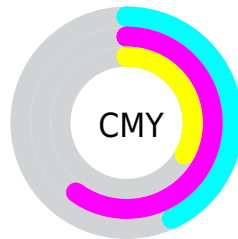
- Red (57%)
- Green (40%)
- Blue (67%)



- Red (57%)
- Yellow (40%)
- Blue (67%)



- Cyan (15%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (43%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7900, 0.2864, 0.2228 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 18.7900, 0.2864, 0.2228 by changing the saturation by 10% instead.


 18.7900, 0.2864,
0.2228


 18.7900, 0.2864,
0.2228


245.2870, 0.3026,
0.2791


 11.5186, 0.2811,
0.2079


 41.3789, 0.2932,
0.2439


 6.4168, 0.2735,
0.1885


 57.4653, 0.2954,
0.2516

 3.1002, 0.2619,
0.1622

 77.2588, 0.2972,
0.2581

 1.1842, 0.2424,
0.1257

 101.1438, 0.2987,
0.2636

 0.0488, 0.2194,
0.0136

129.5048, 0.3000,
0.2683

 0.0000, 0.0000,
0.0000

162.7260, 0.3010,

0.2723

201.1919, 0.3019,
0.2759

■ 18.7900, 0.2864,
0.2228

■ 18.7900, 0.2864,
0.2228

■ 15.1367, 0.2775,
0.1954

■ 23.1824, 0.2944,
0.2506

■ 12.1762, 0.2679,
0.1696

■ 28.3520, 0.3014,
0.2780

■ 9.8604, 0.2579,
0.1467

■ 34.3368, 0.3075,
0.3042

■ 8.1338, 0.2478,
0.1277

■ 41.1717, 0.3127,
0.3287

■ 6.9313, 0.2380,
0.1135

■ 48.8895, 0.3170,
0.3514

■ 6.1184, 0.2288,
0.1034

■ 57.5214, 0.3205,
0.3721

■ 67.0967, 0.3234,
0.3908

■ 77.6438, 0.3258,
0.4077

■ 87.3842, 0.3281,
0.4203

Harmonies

Analogous

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



18.7900, 0.2213, 0.2077



18.7900, 0.2864, 0.2228



18.7900, 0.3690, 0.2589

Triad

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



18.7900, 0.2864, 0.2228



18.7900, 0.4536, 0.4258



18.7900, 0.1962, 0.3299

Complementary

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



18.7900, 0.2864, 0.2228



35.1576, 0.3297, 0.4414

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.



18.7900, 0.2482, 0.4172



18.7900, 0.2864, 0.2228



18.7900, 0.3968, 0.4700

Square

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



18.7900, 0.2864, 0.2228



18.7900, 0.4729, 0.3679



18.7900, 0.3217, 0.4734



18.7900, 0.1750, 0.2576

Rectangle

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



18.7900, 0.2864, 0.2228



18.7900, 0.4208, 0.2917



18.7900, 0.3217, 0.4734



18.7900, 0.2103, 0.3592

Sweetspot

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



18.7908, 0.2864, 0.2228



59.8854, 0.3063, 0.2988



21.6824, 0.2472, 0.2558



12.7116, 0.3056, 0.2956



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.



18.7908, 0.2864, 0.2228



28.2221, 0.2787, 0.1988



21.1509, 0.3268, 0.2420



7.9951, 0.3080, 0.3062



4.5843, 0.2297, 0.1039



0.1575, 0.2580, 0.1195

Inverse Universe

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



20.0567, 0.3734, 0.2900



31.0046, 0.3935, 0.2818



33.5436, 0.3013, 0.4353



8.0634, 0.3230, 0.3205



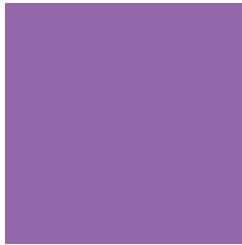
6.8190, 0.5433, 0.2766



0.2005, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 18.7900, 0.2864, 0.2228 looks on a white background.

Color Contrast Check

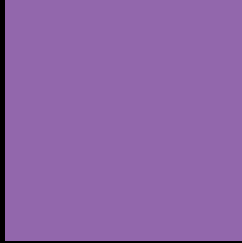
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 18.7900, 0.2864, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

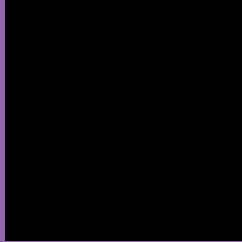
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7900, 0.2864, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 18.7900, 0.2864, 0.2228.



This preview shows how white text looks on a background with the Yxy color 18.7900, 0.2864, 0.2228.

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

18.7900, 0.2864, 0.2228

Protanopia

19.0010, 0.2300, 0.2167

Deuteranopia

18.9418, 0.2466, 0.2414



Tritanopia

18.8430, 0.3344, 0.3148

Trichromacy



Original Color

18.7900, 0.2864, 0.2228

Protanomaly

18.7504, 0.2477, 0.2189

Deuteranomaly

18.6345, 0.2598, 0.2331

Tritanomaly

18.7080, 0.3164, 0.2780

Monochromacy



Original Color

18.7900, 0.2864, 0.2228

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.3194, 0.3037, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7900, 0.2864, 0.2228 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(146, 103, 172)` looks like.

```
.text, #text, p{  
    color:rgb(146, 103, 172)  
}
```

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(146, 103, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 103, 172) }
```

Border

The CSS property to change the border of an element to Yxy 18.7900, 0.2864, 0.2228 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(146, 103, 172) }
```

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

```
.border{ border-color:rgb(146, 103, 172) }
```

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

Here you see how a box with a 4 pixel rgb(146, 103, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 103, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 103, 172);  
box-shadow:4px 4px 4px 4px rgb(146, 103,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7900, 0.2864, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 103, 172) }
```

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

```
.background{ background-color: rgb(146,  
103, 172) }
```

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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