

Converting Colors

$Y_{xy}(20.1621, 0.2846, 0.2308)$

Have a look what the booklet for
Yxy(20.1621, 0.2846, 0.2308)
contains.

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Color

Yxy(20.1887, 0.2847, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	916EAD
RGB	145, 110, 173
RGB Percent	57%, 43%, 68%
CMY	0.4313, 0.5686, 0.3217
CMYK	0.16, 0.36, 0.00, 0.32
HSL	273°, 28%, 55%
HSV	273°, 36%, 68%
XYZ	24.7960, 20.1887, 42.1106
YIQ	127.6470, 0.6370, 27.0130

Conversions

Conversions Part 2

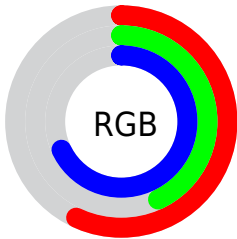
Format	Color
R _Y B	145, 110, 173
Decimal	9531053
CIE Lab	52.05, 26.17, -28.39
CIE LCh	52, 38.609, 312.668
Yxy	20.1887, 0.2847, 0.2318
Android (android.graphics.Color)	4287721133 (0xFF916EAD)
YUV	127.6470, 22.3590, 15.2186
Hunter-Lab	44.9318, 19.8761, -24.1149

Details

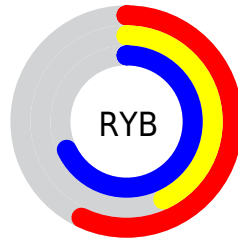
The Yxy color **20.1887, 0.2847, 0.2318** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **36.4014, 0.3324, 0.4287**, and the grayscale version is **21.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7772, 0.2915, 0.2508**, and **7.1285, 0.2720, 0.2014** is the 20% darker color. If you saturate the color by 10%, you get **16.1401, 0.2745, 0.2032**, and if you desaturate by 10%, it is **25.0147, 0.2939, 0.2602**.

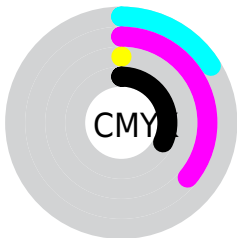
Distribution



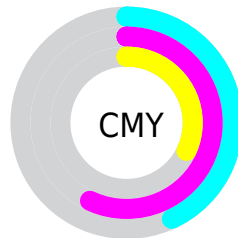
- Red (57%)
- Green (43%)
- Blue (68%)



- Red (57%)
- Yellow (43%)
- Blue (68%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)
- Black (32%)





- Cyan (43%)
- Magenta (57%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1887, 0.2847, 0.2318 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 20.1887, 0.2847, 0.2318 by changing the saturation by 10% instead.


 20.1887, 0.2847,
0.2318


 20.1887, 0.2847,
0.2318


252.9348, 0.3015,
0.2833


 12.5323, 0.2794,
0.2182

 43.7333, 0.2915,
0.2511

 7.1073, 0.2720,
0.2003


 60.3903, 0.2939,
0.2582

 3.5293, 0.2607,
0.1759

 80.8163, 0.2958,
0.2641

 1.4139, 0.2422,
0.1416

 105.3957, 0.2973,
0.2691

 0.2269, 0.2164,
0.0575

134.5128, 0.2986,
0.2734

 0.0000, 0.0000,
0.0000

168.5521, 0.2997,

0.2771

207.8980, 0.3007,
0.2804

■ 20.1887, 0.2847,
0.2318

■ 20.1887, 0.2847,
0.2318

■ 16.1401, 0.2745,
0.2032

■ 25.0147, 0.2939,
0.2602

■ 12.8228, 0.2634,
0.1756

■ 30.6555, 0.3019,
0.2876

■ 10.1898, 0.2517,
0.1502

■ 37.1493, 0.3088,
0.3135

■ 8.1871, 0.2400,
0.1283

■ 44.5309, 0.3147,
0.3374

■ 6.7525, 0.2285,
0.1112

■ 52.8331, 0.3196,
0.3592

■ 5.8011, 0.2179,
0.0991

■ 62.0872, 0.3237,
0.3790

■ 5.5134, 0.2142,
0.0953

■ 72.3229, 0.3271,
0.3967

■ 83.5686, 0.3299,
0.4127

■ 88.8503, 0.3339,
0.4174

Harmonies

Analogous

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



20.1887, 0.2277, 0.2200



20.1887, 0.2847, 0.2318



20.1887, 0.3570, 0.2634

Triad

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



20.1887, 0.2847, 0.2318



20.1887, 0.4412, 0.4136



20.1887, 0.2118, 0.3366

Complementary

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



20.1887, 0.2847, 0.2318



36.4014, 0.3324, 0.4287

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.



20.1887, 0.2610, 0.4108



20.1887, 0.2847, 0.2318



20.1887, 0.3937, 0.4522

Square

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



20.1887, 0.2847, 0.2318



20.1887, 0.4536, 0.3617



20.1887, 0.3275, 0.4561



20.1887, 0.1897, 0.2708

Rectangle

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



20.1887, 0.2847, 0.2318



20.1887, 0.4030, 0.2927



20.1887, 0.3275, 0.4561



20.1887, 0.2254, 0.3620

Sweetspot

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



20.1895, 0.2847, 0.2318



60.7932, 0.3057, 0.3013



24.6050, 0.2546, 0.2711



12.8850, 0.3048, 0.2980



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.



20.1895, 0.2847, 0.2318



30.0118, 0.2762, 0.2079



22.9285, 0.3204, 0.2446



7.9685, 0.3069, 0.3062



4.0861, 0.2152, 0.0959



0.1454, 0.2471, 0.1135

Inverse Universe

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



21.8665, 0.3601, 0.2875



33.6302, 0.3760, 0.2780



34.3870, 0.3054, 0.4311



8.0722, 0.3219, 0.3190



6.9294, 0.5159, 0.2616



0.2039, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 20.1887, 0.2847, 0.2318 looks on a white background.

Color Contrast Check

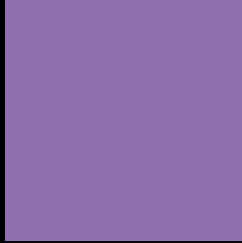
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1887, 0.2847, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

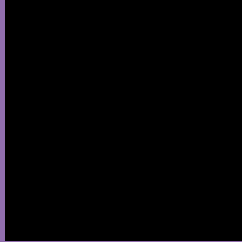
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1887, 0.2847, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 20.1887, 0.2847, 0.2318.



This preview shows how white text looks on a background with the Yxy color 20.1887, 0.2847, 0.2318.

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

20.1887, 0.2847, 0.2318

Protanopia

20.2810, 0.2381, 0.2276

Deuteranopia

20.3832, 0.2532, 0.2485



Tritanopia

20.1554, 0.3260, 0.3133

Trichromacy



Original Color

20.1887, 0.2847, 0.2318

Protanomaly

20.1335, 0.2533, 0.2295

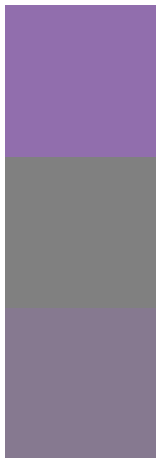
Deuteranomaly

20.1081, 0.2639, 0.2412

Tritanomaly

20.1671, 0.3112, 0.2819

Monochromacy



Original Color

20.1887, 0.2847, 0.2318

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.7567, 0.3027, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1887, 0.2847, 0.2318 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(145, 110, 173)` looks like.

```
.text, #text, p{  
    color:rgb(145, 110, 173)  
}
```

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(145, 110, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 110, 173) }
```

Border

The CSS property to change the border of an element to Yxy 20.1887, 0.2847, 0.2318 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(145, 110, 173) }
```

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

```
.border{ border-color:rgb(145, 110, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 110, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 110, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 110, 173);  
box-shadow:4px 4px 4px 4px rgb(145, 110,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1887, 0.2847, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 110, 173) }
```

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

```
.background{ background-color: rgb(145,  
110, 173) }
```

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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