

Converting Colors

$Y_{xy}(27.0024, 0.3144, 0.2380)$

Have a look what the booklet for
Yxy(27.0024, 0.3144, 0.2380)
contains.

Yxy(26.9020, 0.3137, 0.2373)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.9020, 0.3137, 0.2373)

Conversions

Conversions Part 1

Format	Color
Hex	B976BC
RGB	185, 118, 188
RGB Percent	73%, 46%, 74%
CMY	0.2745, 0.5372, 0.2627
CMYK	0.02, 0.37, 0.00, 0.26
HSL	297°, 34%, 60%
HSV	297°, 37%, 74%
XYZ	35.5632, 26.9020, 50.9018
YIQ	146.0130, 17.4620, 35.9740

Conversions

Conversions Part 2

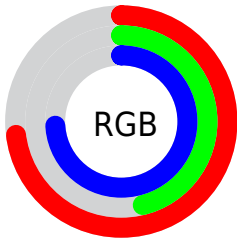
Format	Color
R_{YB}	185, 118, 188
Decimal	12154556
CIE _{Lab}	58.88, 37.52, -26.11
CIE _{LCh}	59, 45.713, 325.164
Yxy	26.9020, 0.3137, 0.2373
Android (android.graphics.Color)	4290344636 (0xFFB976BC)
YUV	146.0130, 20.6996, 34.1916
Hunter-Lab	51.8671, 31.6229, -21.8795

Details

The Yxy color $26.9020, 0.3137, 0.2373$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $41.3463, 0.3098, 0.4395$, and the grayscale version is $28.6592, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.5347, 0.3146, 0.2541$, and $10.5608, 0.3134, 0.2112$ is the 20% darker color. If you saturate the color by 10%, you get $22.8070, 0.3136, 0.2143$, and if you desaturate by 10%, it is $31.8824, 0.3136, 0.2617$.

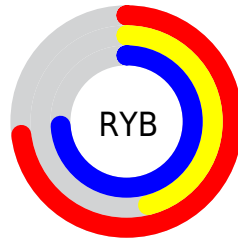
Distribution



Red (73%)

Green (46%)

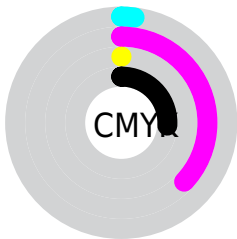
Blue (74%)



Red (73%)

Yellow (46%)

Blue (74%)

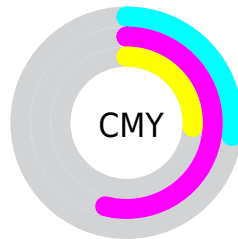


Cyan (2%)

Magenta (37%)

Yellow (0%)

Black (26%)



Cyan (27%)


Magenta (54%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9020, 0.3137, 0.2373 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 26.9020, 0.3137, 0.2373 by changing the saturation by 10% instead.


 26.9020, 0.3137,
0.2373


 26.9020, 0.3137,
0.2373


287.1823, 0.3145,
0.2836


 17.4996, 0.3130,
0.2257


 54.7266, 0.3143,
0.2541

 10.5914, 0.3119,
0.2110


 73.9176, 0.3145,
0.2605

 5.7928, 0.3097,
0.1915


 97.1402, 0.3145,
0.2658

 2.7195, 0.3057,
0.1648

124.7789, 0.3146,
0.2704

 0.9871, 0.2970,
0.1271

157.2181, 0.3146,
0.2744

 0.0000, 0.2971,
0.0000

194.8421, 0.3146,

 0.0000, 0.0000,

0.2778

0.0000

238.0354, 0.3145,
0.2809

■ 26.9020, 0.3137,
0.2373

■ 26.9020, 0.3137,
0.2373

■ 22.8070, 0.3136,
0.2143

■ 31.8824, 0.3136,
0.2617

■ 19.5413, 0.3134,
0.1938

■ 37.7932, 0.3134,
0.2868

■ 17.0476, 0.3129,
0.1766


■ 44.6802, 0.3130,
0.3115

■ 15.2600, 0.3122,
0.1633


■ 52.5855, 0.3126,
0.3355

■ 14.1019, 0.3114,
0.1544


■ 61.5485, 0.3121,
0.3582


 13.4639, 0.3104,
0.1493

 71.6068, 0.3116,
0.3794

 13.3242, 0.3102,
0.1482

 82.7957, 0.3111,
0.3990

 86.2896, 0.3113,
0.4042

 86.3953, 0.3117,
0.4041

Harmonies

Analogous

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



26.9020, 0.2441, 0.2155



26.9020, 0.3137, 0.2373



26.9020, 0.3921, 0.2777

Triad

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



26.9020, 0.3137, 0.2373



26.9020, 0.4320, 0.4386



26.9020, 0.1915, 0.3041

Complementary

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



26.9020, 0.3137, 0.2373



41.3463, 0.3098, 0.4395

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.



26.9020, 0.2319, 0.3851



26.9020, 0.3137, 0.2373



26.9020, 0.3703, 0.4694

Square

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



26.9020, 0.3137, 0.2373



26.9020, 0.4636, 0.3862



26.9020, 0.2970, 0.4527



26.9020, 0.1809, 0.2452

Rectangle

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



26.9020, 0.3137, 0.2373



26.9020, 0.4350, 0.3116



26.9020, 0.2970, 0.4527



26.9020, 0.2017, 0.3298

Sweetspot

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



26.9032, 0.3137, 0.2373



75.8255, 0.3132, 0.3018



21.2811, 0.2464, 0.2236



15.9408, 0.3132, 0.2985



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



26.9032, 0.3137, 0.2373



42.3427, 0.3136, 0.2177



26.0685, 0.3528, 0.2765



9.6748, 0.3131, 0.3063



9.0790, 0.3103, 0.1483



0.3622, 0.3130, 0.1498

Inverse Universe

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



25.0319, 0.3983, 0.3250



38.4796, 0.4288, 0.3242



42.0098, 0.2862, 0.3888



9.5429, 0.3282, 0.3281



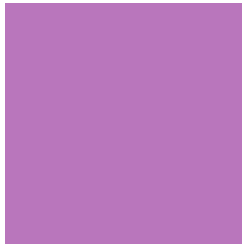
7.2942, 0.6346, 0.3270



0.2880, 0.6142, 0.3157

Previews

White Background



This preview shows how the Yxy color 26.9020, 0.3137, 0.2373 looks on a white background.

Color Contrast Check

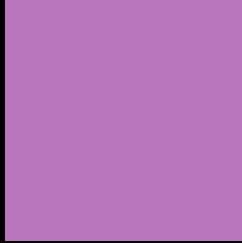
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9020, 0.3137, 0.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

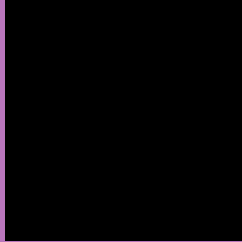
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9020, 0.3137, 0.2373

Background



This preview shows how black text looks on a background with the Yxy color 26.9020, 0.3137, 0.2373.



This preview shows how white text looks on a background with the Yxy color 26.9020, 0.3137, 0.2373.

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

26.9020, 0.3137, 0.2373

Protanopia

27.2289, 0.2417, 0.2327

Deuteranopia

27.2034, 0.2663, 0.2615



Tritanopia

26.7383, 0.3608, 0.3146

Trichromacy



Original Color

26.9020, 0.3137, 0.2373

Protanomaly

26.5553, 0.2633, 0.2326

Deuteranomaly

26.6807, 0.2823, 0.2514

Tritanomaly

26.6394, 0.3440, 0.2840

Monochromacy



Original Color

26.9020, 0.3137, 0.2373

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.6551, 0.3134, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9020, 0.3137, 0.2373 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(185, 118, 188)` looks like.

```
.text, #text, p{  
    color:rgb(185, 118, 188)  
}
```

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(185, 118, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 118, 188) }
```

Border

The CSS property to change the border of an element to Yxy 26.9020, 0.3137, 0.2373 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(185, 118, 188) }
```

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

```
.border{ border-color:rgb(185, 118, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 118, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 118, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 118, 188);  
box-shadow:4px 4px 4px 4px rgb(185, 118,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9020, 0.3137, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 118, 188) }
```

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

```
.background{ background-color: rgb(185,  
118, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor