

Converting Colors

$Y_{xy}(28.4751, 0.3000, 0.2660)$

Have a look what the booklet for
Yxy(28.4751, 0.3000, 0.2660)
contains.

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Color

Yxy(28.4751, 0.3000, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	A487B3
RGB	164, 135, 179
RGB Percent	64%, 53%, 70%
CMY	0.3568, 0.4706, 0.2980
CMYK	0.08, 0.25, 0.00, 0.30
HSL	280°, 22%, 62%
HSV	280°, 25%, 70%
XYZ	32.1148, 28.4751, 46.4594
YIQ	148.6870, 3.1600, 19.8320

Conversions

Conversions Part 2

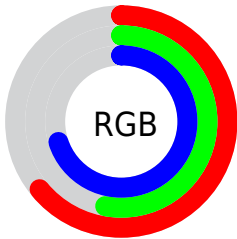
Format	Color
RYB	164, 135, 179
Decimal	10782643
CIELab	60.32, 19.30, -18.99
CIElCh	60, 27.079, 315.470
Yxy	28.4751, 0.3000, 0.2660
Android (android.graphics.Color)	4288972723 (0xFFA487B3)
YUV	148.6870, 14.9443, 13.4295
Hunter-Lab	53.3621, 14.0426, -14.2671

Details

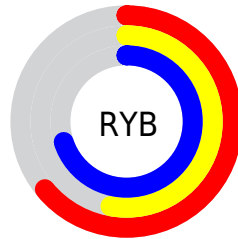
The Yxy color $28.4751, 0.3000, 0.2660$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $40.4785, 0.3225, 0.3948$, and the grayscale version is $29.8532, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0247, 0.3026, 0.2774$, and $11.4481, 0.2954, 0.2469$ is the 20% darker color. If you saturate the color by 10%, you get $23.2608, 0.2933, 0.2386$, and if you desaturate by 10%, it is $34.5628, 0.3058, 0.2927$.

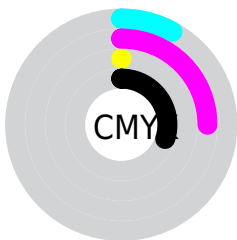
Distribution



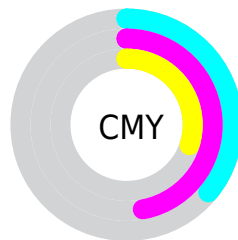
- Red (64%)
- Green (53%)
- Blue (70%)



- Red (64%)
- Yellow (53%)
- Blue (70%)



- Cyan (8%)
- Magenta (25%)
- Yellow (0%)
- Black (30%)





- Cyan (36%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4751, 0.3000, 0.2660 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 28.4751, 0.3000, 0.2660 by changing the saturation by 10% instead.


 28.4751, 0.3000,
0.2660


 28.4751, 0.3000,
0.2660


294.7302, 0.3073,
0.2986


 18.6841, 0.2978,
0.2575


 57.2421, 0.3029,
0.2781

 11.4422, 0.2948,
0.2465


 76.9868, 0.3039,
0.2825

 6.3651, 0.2903,
0.2316


 100.8183, 0.3048,
0.2863

 3.0683, 0.2832,
0.2102

129.1209, 0.3055,
0.2895

 1.1675, 0.2705,
0.1776

162.2790, 0.3060,
0.2922

 0.0349, 0.2569,
0.0178

200.6770, 0.3065,

 0.0000, 0.0000,

0.2946

0.0000

244.6992, 0.3070,
0.2967

■ 28.4751, 0.3000,
0.2660

■ 28.4751, 0.3000,
0.2660

■ 23.2608, 0.2933,
0.2386

■ 34.5628, 0.3058,
0.2927

■ 18.8738, 0.2857,
0.2112

■ 41.5598, 0.3107,
0.3179

■ 15.2694, 0.2774,
0.1849

■ 49.5042, 0.3149,
0.3415

■ 12.3969, 0.2685,
0.1609

■ 58.4310, 0.3183,
0.3632

■ 10.1995, 0.2594,
0.1403

■ 68.3734, 0.3210,
0.3830

8.6119, 0.2502,
0.1241

79.3628, 0.3233,
0.4009

7.5551, 0.2415,
0.1128

87.9980, 0.3257,
0.4121

7.1098, 0.2368,
0.1078

88.8917, 0.3297,
0.4111

89.8196, 0.3336,
0.4101

Harmonies

Analogous

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



28.4751, 0.2609, 0.2572



28.4751, 0.3000, 0.2660



28.4751, 0.3455, 0.2888

Triad

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



28.4751, 0.3000, 0.2660



28.4751, 0.3933, 0.3892



28.4751, 0.2456, 0.3311

Complementary

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



28.4751, 0.3000, 0.2660



40.4785, 0.3225, 0.3948

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.



28.4751, 0.2775, 0.3746



28.4751, 0.3000, 0.2660



28.4751, 0.3629, 0.4081

Square

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



28.4751, 0.3000, 0.2660



28.4751, 0.4015, 0.3570



28.4751, 0.3203, 0.4041



28.4751, 0.2314, 0.2910

Rectangle

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



28.4751, 0.3000, 0.2660



28.4751, 0.3727, 0.3096



28.4751, 0.3203, 0.4041



28.4751, 0.2545, 0.3461

Sweetspot

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



28.4763, 0.3000, 0.2660



71.0942, 0.3096, 0.3117



30.3467, 0.2734, 0.2851



15.5832, 0.3093, 0.3102



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.4763, 0.3000, 0.2660



45.2823, 0.2961, 0.2498



29.9062, 0.3222, 0.2773



8.4989, 0.3085, 0.3062



5.0601, 0.2378, 0.1084



0.1898, 0.2617, 0.1215

Inverse Universe

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



29.1134, 0.3463, 0.3077



46.7098, 0.3570, 0.3023



39.3378, 0.3045, 0.3868



8.5515, 0.3235, 0.3213



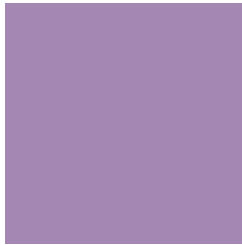
7.0213, 0.5577, 0.2846



0.2321, 0.4787, 0.2410

Previews

White Background



This preview shows how the Yxy color 28.4751, 0.3000, 0.2660 looks on a white background.

Color Contrast Check

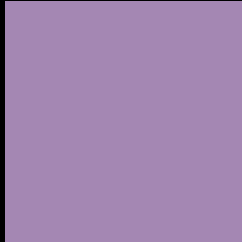
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4751, 0.3000, 0.2660 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 28.4751, 0.3000, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 28.4751, 0.3000, 0.2660.



This preview shows how white text looks on a background with the Yxy color 28.4751, 0.3000, 0.2660.

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

28.4751, 0.3000, 0.2660

Protanopia

28.6002, 0.2679, 0.2667

Deuteranopia

28.4896, 0.2815, 0.2745



Tritanopia

28.4641, 0.3232, 0.3123

Trichromacy



Original Color

28.4751, 0.3000, 0.2660

Protanomaly

28.5796, 0.2790, 0.2665

Deuteranomaly

28.2589, 0.2880, 0.2710

Tritanomaly

28.3272, 0.3143, 0.2946

Monochromacy



Original Color

28.4751, 0.3000, 0.2660

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.3546, 0.3076, 0.3046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4751, 0.3000, 0.2660 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(164, 135, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 135, 179)  
}
```

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(164, 135, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 135, 179) }
```

Border

The CSS property to change the border of an element to Yxy 28.4751, 0.3000, 0.2660 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(164, 135, 179) }
```

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

```
.border{ border-color:rgb(164, 135, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 135, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 135, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 135, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 135,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4751, 0.3000, 0.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 135, 179) }
```

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

```
.background{ background-color: rgb(164,  
135, 179) }
```

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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