

Converting Colors

$Y_{xy}(26.7846, 0.3062, 0.2541)$

Have a look what the booklet for
Yxy(26.7846, 0.3062, 0.2541)
contains.

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Color

Yxy(26.7224, 0.3064, 0.2545)

Conversions

Conversions Part 1

Format	Color
Hex	AA7EB3
RGB	170, 126, 179
RGB Percent	67%, 49%, 70%
CMY	0.3334, 0.5058, 0.2981
CMYK	0.05, 0.30, 0.00, 0.30
HSL	290°, 26%, 60%
HSV	290°, 30%, 70%
XYZ	32.1719, 26.7224, 46.1053
YIQ	145.1980, 9.2110, 25.8110

Conversions

Conversions Part 2

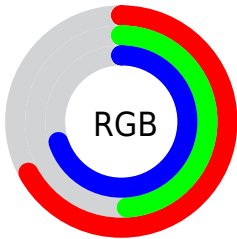
Format	Color
RYB	170, 126, 179
Decimal	11173555
CIELab	58.72, 26.40, -21.36
CIELCh	59, 33.964, 321.023
Yxy	26.7224, 0.3064, 0.2545
Android (android.graphics.Color)	4289363635 (0xFFAA7EB3)
YUV	145.1980, 16.6644, 21.7514
Hunter-Lab	51.6937, 20.6265, -16.6948

Details

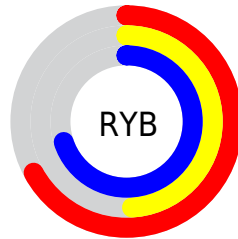
The Yxy color **26.7224, 0.3064, 0.2545** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.8959, 0.3164, 0.4118**, and the grayscale version is **28.3285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4071, 0.3082, 0.2684**, and **10.4571, 0.3029, 0.2315** is the 20% darker color. If you saturate the color by 10%, you get **22.2126, 0.3034, 0.2289**, and if you desaturate by 10%, it is **32.0614, 0.3090, 0.2803**.

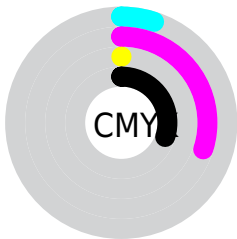
Distribution



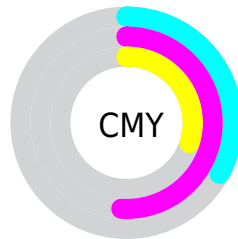
- Red (67%)
- Green (49%)
- Blue (70%)



- Red (67%)
- Yellow (49%)
- Blue (70%)



- Cyan (5%)
- Magenta (30%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (51%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7224, 0.3064, 0.2545 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 26.7224, 0.3064, 0.2545 by changing the saturation by 10% instead.

■ 26.7224, 0.3064,
0.2545

■ 26.7224, 0.3064,
0.2545

■ 286.3105, 0.3106,
0.2929

■ 17.3648, 0.3049,
0.2446

■ 54.4381, 0.3082,
0.2687

■ 10.4950, 0.3028,
0.2317

■ 73.5650, 0.3088,
0.2740

■ 5.7283, 0.2995,
0.2144

■ 96.7172, 0.3093,
0.2784

■ 2.6806, 0.2938,
0.1898

■ 124.2790, 0.3097,
0.2822

■ 0.9674, 0.2828,
0.1531

■ 156.6348, 0.3100,
0.2854

■ 0.0000, 0.2683,
0.0000

■ 194.1691, 0.3102,

■ 0.0000, 0.0000,

0.2882

0.0000

237.2662, 0.3104,
0.2907

■ 26.7224, 0.3064,
0.2545

■ 26.7224, 0.3064,
0.2545

■ 22.2126, 0.3034,
0.2289

■ 32.0614, 0.3090,
0.2803

■ 18.4847, 0.2999,
0.2046

■ 38.2666, 0.3111,
0.3057

■ 15.4922, 0.2960,
0.1824

■ 45.3769, 0.3128,
0.3299

■ 13.1819, 0.2918,
0.1634

■ 53.4279, 0.3141,
0.3528

■ 11.4937, 0.2874,
0.1484

■ 62.4532, 0.3151,
0.3740

■ 10.3566, 0.2830,
0.1378

■ 72.4849, 0.3158,
0.3934

■ 9.6302, 0.2785,
0.1310

■ 83.5533, 0.3163,
0.4111

■ 9.6031, 0.2783,
0.1307

■ 86.2869, 0.3179,
0.4142

■ 86.6946, 0.3198,
0.4137

Harmonies

Analogous

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



26.7224, 0.2548, 0.2399



26.7224, 0.3064, 0.2545



26.7224, 0.3647, 0.2850

Triad

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



26.7224, 0.3064, 0.2545



26.7224, 0.4093, 0.4101



26.7224, 0.2229, 0.3201

Complementary

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



26.7224, 0.3064, 0.2545



38.8959, 0.3164, 0.4118

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.



26.7224, 0.2585, 0.3783



26.7224, 0.3064, 0.2545



26.7224, 0.3660, 0.4323

Square

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



26.7224, 0.3064, 0.2545



26.7224, 0.4269, 0.3704



26.7224, 0.3106, 0.4224



26.7224, 0.2103, 0.2718

Rectangle

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



26.7224, 0.3064, 0.2545



26.7224, 0.3979, 0.3116



26.7224, 0.3106, 0.4224



26.7224, 0.2324, 0.3394

Sweetspot

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



26.7236, 0.3064, 0.2545



69.0757, 0.3112, 0.3068



25.2218, 0.2632, 0.2603



14.9242, 0.3109, 0.3032



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.



26.7236, 0.3064, 0.2545



42.0521, 0.3043, 0.2365



27.1237, 0.3342, 0.2781



8.5722, 0.3111, 0.3064



6.8113, 0.2789, 0.1310



0.2336, 0.2913, 0.1379

Inverse Universe

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



26.2572, 0.3662, 0.3161



41.1390, 0.3845, 0.3129



38.6502, 0.2963, 0.3861



8.5281, 0.3261, 0.3252



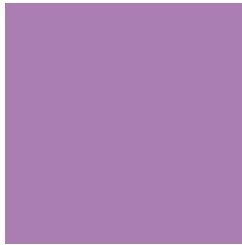
6.8469, 0.6121, 0.3145



0.2226, 0.5436, 0.2768

Previews

White Background



This preview shows how the Yxy color 26.7224, 0.3064, 0.2545 looks on a white background.

Color Contrast Check

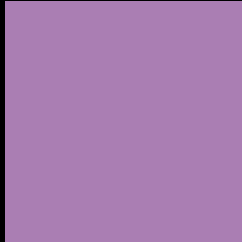
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7224, 0.3064, 0.2545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

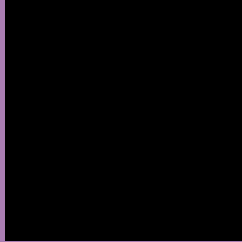
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7224, 0.3064, 0.2545

Background



This preview shows how black text looks on a background with the Yxy color 26.7224, 0.3064, 0.2545.



This preview shows how white text looks on a background with the Yxy color 26.7224, 0.3064, 0.2545.

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

26.7224, 0.3064, 0.2545

Protanopia

27.0195, 0.2581, 0.2540

Deuteranopia

26.9579, 0.2754, 0.2701



Tritanopia

26.7576, 0.3386, 0.3139

Trichromacy



Original Color

26.7224, 0.3064, 0.2545

Protanomaly

26.6704, 0.2739, 0.2541

Deuteranomaly

26.6541, 0.2857, 0.2630

Tritanomaly

26.5811, 0.3270, 0.2905

Monochromacy



Original Color

26.7224, 0.3064, 0.2545

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.4813, 0.3109, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7224, 0.3064, 0.2545 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(170, 126, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 126, 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(170, 126, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 126, 179) }
```

Border

The CSS property to change the border of an element to Yxy 26.7224, 0.3064, 0.2545 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(170, 126, 179) }
```

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

```
.border{ border-color:rgb(170, 126, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 126, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 126, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 126, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 126,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7224, 0.3064, 0.2545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 126, 179) }
```

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

```
.background{ background-color: rgb(170,  
126, 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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