

Converting Colors

$Y_{xy}(12.6220, 0.3151, 0.2519)$

Have a look what the booklet for
Yxy(12.6220, 0.3151, 0.2519)
contains.

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Color

Yxy(12.6235, 0.3148, 0.2521)

Conversions

Conversions Part 1

Format	Color
Hex	7E567F
RGB	126, 86, 127
RGB Percent	49%, 34%, 50%
CMY	0.5059, 0.6627, 0.5019
CMYK	0.01, 0.32, 0.00, 0.50
HSL	299°, 19%, 42%
HSV	299°, 32%, 50%
XYZ	15.7631, 12.6235, 21.6868
YIQ	102.6340, 10.6790, 21.2310

Conversions

Conversions Part 2

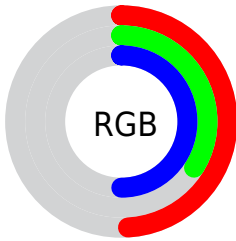
Format	Color
R_{YB}	126, 86, 127
Decimal	8279679
CIE _{Lab}	42.19, 23.89, -16.47
CIE _{LCh}	42, 29.016, 325.412
Yxy	12.6235, 0.3148, 0.2521
Android (android.graphics.Color)	4286469759 (0xFF7E567F)
YUV	102.6340, 12.0124, 20.4920
Hunter-Lab	35.5296, 17.0168, -11.3191

Details

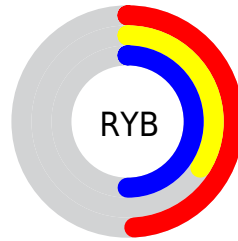
The Yxy color **12.6235, 0.3148, 0.2521** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.8792, 0.3096, 0.4193**, and the grayscale version is **13.4280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4873, 0.3145, 0.2691**, and **3.5376, 0.3129, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **10.7493, 0.3153, 0.2291**, and if you desaturate by 10%, it is **14.8593, 0.3142, 0.2760**.

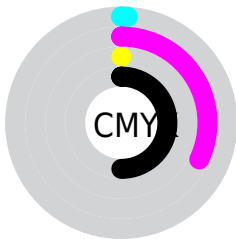
Distribution



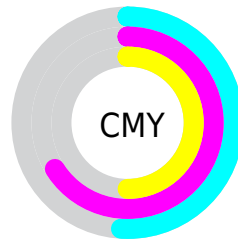
- Red (49%)
- Green (34%)
- Blue (50%)



- Red (49%)
- Yellow (34%)
- Blue (50%)



- Cyan (1%)
- Magenta (32%)
- Yellow (0%)
- Black (50%)





- Cyan (51%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6235, 0.3148, 0.2521 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 12.6235, 0.3148, 0.2521 by changing the saturation by 10% instead.


 12.6235, 0.3148,
0.2521


 12.6235, 0.3148,
0.2521

208.4904, 0.3145,
0.2963


 7.1698, 0.3144,
0.2386


 30.6257, 0.3150,
0.2698


 3.5685, 0.3134,
0.2196

 43.9430, 0.3149,
0.2760

 1.4353, 0.3107,
0.1908

 60.6503, 0.3149,
0.2810

 0.2425, 0.3196,
0.0953

 81.1320, 0.3148,
0.2851

 0.0000, 0.0000,
0.0000

 105.7724, 0.3147,
0.2886

134.9561, 0.3146,

0.2915

169.0673, 0.3145,
0.2941

■ 12.6235, 0.3148,
0.2521

■ 12.6235, 0.3148,
0.2521

■ 10.7493, 0.3153,
0.2291

■ 14.8593, 0.3142,
0.2760

■ 9.2159, 0.3156,
0.2079

■ 17.4728, 0.3136,
0.3001

■ 8.0031, 0.3158,
0.1893


■ 20.4810, 0.3129,
0.3237


■ 7.0878, 0.3158,
0.1741


■ 23.8994, 0.3122,
0.3464


■ 6.4437, 0.3156,
0.1627


■ 27.7428, 0.3115,
0.3678


 6.0400, 0.3153,
0.1552

 32.0251, 0.3108,
0.3877

 5.8094, 0.3150,
0.1509

 36.7596, 0.3101,
0.4061

 41.9592, 0.3095,
0.4229

 47.6360, 0.3089,
0.4381

Harmonies

Analogous

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



12.6235, 0.2566, 0.2334



12.6235, 0.3148, 0.2521



12.6235, 0.3784, 0.2870

Triad

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



12.6235, 0.3148, 0.2521



12.6235, 0.4123, 0.4220



12.6235, 0.2114, 0.3097

Complementary

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



12.6235, 0.3148, 0.2521



17.8792, 0.3096, 0.4193

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.



12.6235, 0.2462, 0.3741



12.6235, 0.3148, 0.2521



12.6235, 0.3618, 0.4435

Square

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



12.6235, 0.3148, 0.2521



12.6235, 0.4371, 0.3800



12.6235, 0.3009, 0.4274



12.6235, 0.2018, 0.2603

Rectangle

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



12.6235, 0.3148, 0.2521



12.6235, 0.4128, 0.3163



12.6235, 0.3009, 0.4274



12.6235, 0.2203, 0.3304

Sweetspot

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



12.6241, 0.3148, 0.2521



32.3305, 0.3134, 0.3050



10.3873, 0.2583, 0.2416



7.4273, 0.3135, 0.3022



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.6241, 0.3148, 0.2521



19.9822, 0.3152, 0.2344



12.2484, 0.3456, 0.2864



4.4072, 0.3134, 0.3077



5.8581, 0.3150, 0.1509



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8567, 0.3809, 0.3272



18.3814, 0.4048, 0.3268



18.1819, 0.2893, 0.3761



4.3458, 0.3274, 0.3285



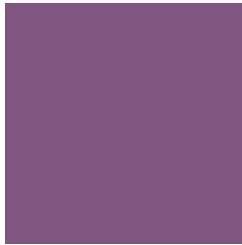
4.5574, 0.6360, 0.3278



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.6235, 0.3148, 0.2521 looks on a white 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

Black Background



This preview shows how the Yxy color 12.6235, 0.3148, 0.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

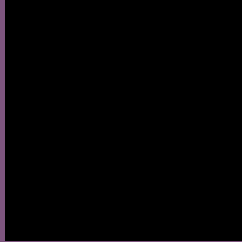
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6235, 0.3148, 0.2521

Background



This preview shows how black text looks on a background with the Yxy color 12.6235, 0.3148, 0.2521.



This preview shows how white text looks on a background with the Yxy color 12.6235, 0.3148, 0.2521.

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

12.6235, 0.3148, 0.2521

Protanopia

12.8251, 0.2557, 0.2518

Deuteranopia

12.7574, 0.2770, 0.2718



Tritanopia

12.6927, 0.3499, 0.3149

Trichromacy



Original Color

12.6235, 0.3148, 0.2521

Protanomaly

12.5236, 0.2736, 0.2499

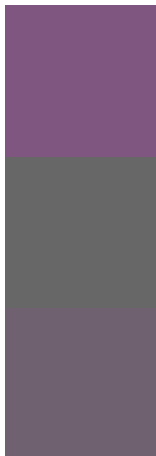
Deuteranomaly

12.6999, 0.2900, 0.2640

Tritanomaly

12.6274, 0.3365, 0.2913

Monochromacy



Original Color

12.6235, 0.3148, 0.2521

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.0987, 0.3127, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6235, 0.3148, 0.2521 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(126, 86, 127)` looks like.

```
.text, #text, p{  
    color:rgb(126, 86, 127)  
}
```

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(126, 86, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 86, 127) }
```

Border

The CSS property to change the border of an element to Yxy 12.6235, 0.3148, 0.2521 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(126, 86, 127) }
```

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

```
.border{ border-color:rgb(126, 86, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 86, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 86, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 86, 127);  
box-shadow:4px 4px 4px 4px rgb(126, 86,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6235, 0.3148, 0.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 86, 127) }
```

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

```
.background{ background-color: rgb(126, 86,  
127) }
```

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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