

Converting Colors

$Y_{xy}(12.4330, 0.3154, 0.2472)$

Have a look what the booklet for
Yxy(12.4330, 0.3154, 0.2472)
contains.

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Color

Yxy(12.4112, 0.3150, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	7F5480
RGB	127, 84, 128
RGB Percent	50%, 33%, 50%
CMY	0.5021, 0.6705, 0.4981
CMYK	0.01, 0.34, 0.00, 0.50
HSL	299°, 21%, 42%
HSV	299°, 34%, 50%
XYZ	15.8152, 12.4112, 21.9807
YIQ	101.8730, 11.5040, 22.8000

Conversions

Conversions Part 2

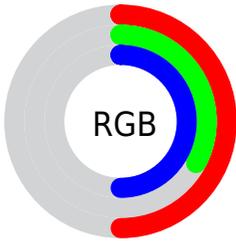
Format	Color
R_{YB}	127, 84, 128
Decimal	8344704
CIE _{Lab}	41.86, 25.60, -17.56
CIE _{LCh}	42, 31.048, 325.553
Yxy	12.4112, 0.3150, 0.2472
Android (android.graphics.Color)	4286534784 (0xFF7F5480)
YUV	101.8730, 12.8806, 22.0364
Hunter-Lab	35.2295, 18.4805, -12.3320

Details

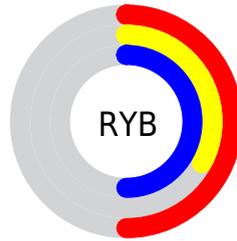
The Yxy color **12.4112, 0.3150, 0.2472** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.0094, 0.3093, 0.4262**, and the grayscale version is **13.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0897, 0.3147, 0.2653**, and **3.4654, 0.3131, 0.2114** is the 20% darker color. If you saturate the color by 10%, you get **10.5799, 0.3155, 0.2245**, and if you desaturate by 10%, it is **14.6068, 0.3144, 0.2710**.

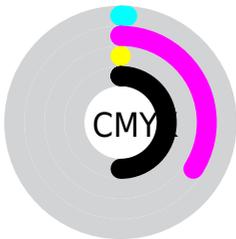
Distribution



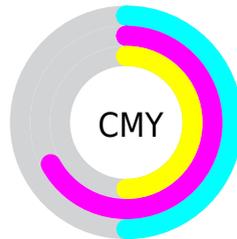
- Red (50%)
- Green (33%)
- Blue (50%)



- Red (50%)
- Yellow (33%)
- Blue (50%)



- Cyan (1%)
- Magenta (34%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (67%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.4112, 0.3150, 0.2472 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 12.4112, 0.3150, 0.2472 by changing the saturation by 10% instead.

 12.4112, 0.3150,
0.2472

 12.4112, 0.3150,
0.2472

207.1089, 0.3147,
0.2942

 7.0244, 0.3145,
0.2330

 30.2418, 0.3152,
0.2660

 3.4773, 0.3133,
0.2129

 43.4544, 0.3152,
0.2725

 1.3857, 0.3103,
0.1828

 60.0444, 0.3151,
0.2778

 0.2062, 0.3199,
0.0803

 80.3962, 0.3150,
0.2822

 0.0000, 0.0000,
0.0000

 104.8941, 0.3149,
0.2859

133.9226, 0.3148,

0.2891

167.8660, 0.3148,
0.2918

■ 12.4112, 0.3150,
0.2472

■ 12.4112, 0.3150,
0.2472

■ 10.5799, 0.3155,
0.2245

■ 14.6068, 0.3144,
0.2710

■ 9.0915, 0.3158,
0.2038

■ 17.1832, 0.3137,
0.2951

■ 7.9247, 0.3160,
0.1859

■ 20.1583, 0.3130,
0.3189

■ 7.0555, 0.3160,
0.1714

■ 23.5479, 0.3123,
0.3418

■ 6.4563, 0.3159,
0.1609

■ 27.3672, 0.3116,
0.3635

 6.0895, 0.3155,
0.1542

 31.6306, 0.3109,
0.3837

 5.9201, 0.3153,
0.1511

 36.3518, 0.3102,
0.4024

 41.5439, 0.3095,
0.4196

 47.2196, 0.3089,
0.4352

Harmonies

Analogous

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



12.4112, 0.2527, 0.2273



12.4112, 0.3150, 0.2472



12.4112, 0.3836, 0.2841

Triad

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



12.4112, 0.3150, 0.2472



12.4112, 0.4189, 0.4282



12.4112, 0.2043, 0.3073

Complementary

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



12.4112, 0.3150, 0.2472



18.0094, 0.3093, 0.4262

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.



12.4112, 0.2410, 0.3773



12.4112, 0.3150, 0.2472



12.4112, 0.3644, 0.4524

Square

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



12.4112, 0.3150, 0.2472



12.4112, 0.4461, 0.3827



12.4112, 0.2991, 0.4356



12.4112, 0.1946, 0.2548

Rectangle

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



12.4112, 0.3150, 0.2472



12.4112, 0.4207, 0.3151



12.4112, 0.2991, 0.4356



12.4112, 0.2136, 0.3297

Sweetspot

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



12.4117, 0.3150, 0.2472



32.3329, 0.3135, 0.3050



10.0176, 0.2542, 0.2349



7.4279, 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.



12.4117, 0.3150, 0.2472



19.3518, 0.3154, 0.2298



12.0036, 0.3484, 0.2835



4.4075, 0.3134, 0.3077



5.8712, 0.3153, 0.1511



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.5886, 0.3872, 0.3272



17.6845, 0.4120, 0.3268



18.3321, 0.2879, 0.3797



4.3458, 0.3275, 0.3285



4.5570, 0.6363, 0.3279



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.4112, 0.3150, 0.2472 looks on a white background.

Color Contrast Check

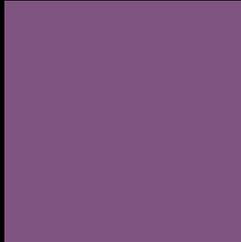
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4112, 0.3150, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

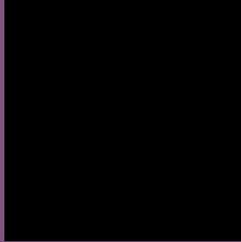
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4112, 0.3150, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 12.4112, 0.3150, 0.2472.



This preview shows how white text looks on a background with the Yxy color 12.4112, 0.3150, 0.2472.

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

12.4112, 0.3150, 0.2472

Protanopia

12.5966, 0.2513, 0.2456

Deuteranopia

12.4886, 0.2731, 0.2673



Tritanopia

12.3863, 0.3555, 0.3149

Trichromacy



Original Color

12.4112, 0.3150, 0.2472

Protanomaly

12.3747, 0.2723, 0.2461

Deuteranomaly

12.3124, 0.2873, 0.2578

Tritanomaly

12.3472, 0.3401, 0.2894

Monochromacy



Original Color

12.4112, 0.3150, 0.2472

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7116, 0.3143, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4112, 0.3150, 0.2472 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(127, 84, 128)` looks like.

```
.text, #text, p{  
    color:rgb(127, 84, 128)  
}
```

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(127, 84, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 84, 128) }
```

Border

The CSS property to change the border of an element to Yxy 12.4112, 0.3150, 0.2472 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(127, 84, 128) }
```

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

```
.border{ border-color:rgb(127, 84, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 84, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 84, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 84, 128); box-shadow:4px 4px 4px 4px rgb(127, 84, 128) }
```

Background

The CSS property to change the background color of an element to Yxy 12.4112, 0.3150, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 84, 128) }
```

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

```
.background{ background-color: rgb(127, 84,  
128) }
```

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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