

Converting Colors

$Y_{xy}(12.6024, 0.3159, 0.2266)$

Have a look what the booklet for
Yxy(12.6024, 0.3159, 0.2266)
contains.

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Color

Yxy(12.6021, 0.3160, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	894E8A
RGB	137, 78, 138
RGB Percent	54%, 31%, 54%
CMY	0.4628, 0.6941, 0.4587
CMYK	0.01, 0.43, 0.00, 0.46
HSL	299°, 28%, 42%
HSV	299°, 43%, 54%
XYZ	17.6284, 12.6021, 25.5557
YIQ	102.4810, 15.9040, 31.1680

Conversions

Conversions Part 2

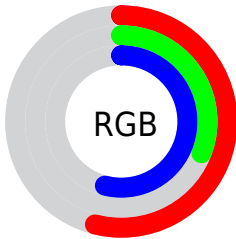
Format	Color
R_{YB}	137, 78, 138
Decimal	8998538
CIE _{Lab}	42.16, 34.46, -23.10
CIE _{LCh}	42, 41.488, 326.170
Yxy	12.6021, 0.3160, 0.2259
Android (android.graphics.Color)	4287188618 (0xFF894E8A)
YUV	102.4810, 17.5109, 30.2732
Hunter-Lab	35.4994, 26.5161, -17.8326

Details

The Yxy color **12.6021, 0.3160, 0.2259** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.3966, 0.3076, 0.4582**, and the grayscale version is **13.3701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7128, 0.3165, 0.2486**, and **3.5644, 0.3120, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **10.8230, 0.3165, 0.2050**, and if you desaturate by 10%, it is **14.7941, 0.3154, 0.2488**.

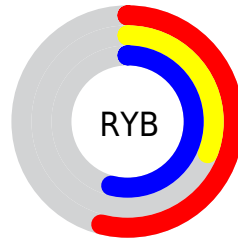
Distribution



Red (54%)

Green (31%)

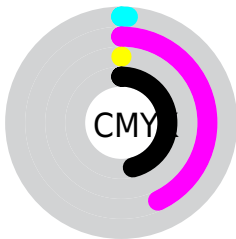
Blue (54%)



Red (54%)

Yellow (31%)

Blue (54%)

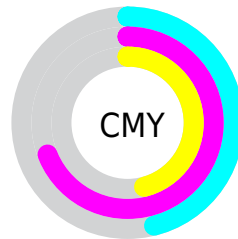


Cyan (1%)

Magenta (43%)

Yellow (0%)

Black (46%)



Cyan (46%)


Magenta (69%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6021, 0.3160, 0.2259 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 12.6021, 0.3160, 0.2259 by changing the saturation by 10% instead.


 12.6021, 0.3160,
0.2259


 12.6021, 0.3160,
0.2259


208.3516, 0.3157,
0.2837

 7.1551, 0.3152,
0.2092


 30.5871, 0.3164,
0.2486


 3.5593, 0.3134,
0.1863


 43.8938, 0.3164,
0.2566

 1.4302, 0.3090,
0.1536

 60.5894, 0.3163,
0.2631

 0.2388, 0.3095,
0.0679

 81.0580, 0.3162,
0.2686

 0.0000, 0.0235,
0.0000

 105.6841, 0.3161,
0.2733

 0.0000, 0.0000,
0.0000

134.8522, 0.3160,

0.2772

168.9465, 0.3159,
0.2807

■ 12.6021, 0.3160,
0.2259

■ 12.6021, 0.3160,
0.2259

■ 10.8230, 0.3165,
0.2050

■ 14.7941, 0.3154,
0.2488

■ 9.4290, 0.3169,
0.1869

■ 17.4209, 0.3146,
0.2727

■ 8.3918, 0.3171,
0.1724


■ 20.5050, 0.3138,
0.2970

■ 7.6784, 0.3171,
0.1617


■ 24.0668, 0.3130,
0.3209

■ 7.2491, 0.3169,
0.1551

■ 28.1257, 0.3122,
0.3439

 7.0410, 0.3168,
0.1519

 32.6996, 0.3114,
0.3656

 37.8059, 0.3106,
0.3858

 43.4610, 0.3099,
0.4045

 49.6805, 0.3092,
0.4216

Harmonies

Analogous

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



12.6021, 0.2357, 0.2007



12.6021, 0.3160, 0.2259



12.6021, 0.4080, 0.2714

Triad

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



12.6021, 0.3160, 0.2259



12.6021, 0.4460, 0.4540



12.6021, 0.1732, 0.2952

Complementary

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



12.6021, 0.3160, 0.2259



20.3966, 0.3076, 0.4582

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.



12.6021, 0.2165, 0.3915



12.6021, 0.3160, 0.2259



12.6021, 0.3734, 0.4932

Square

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



12.6021, 0.3160, 0.2259



12.6021, 0.4863, 0.3928



12.6021, 0.2896, 0.4748



12.6021, 0.1634, 0.2297

Rectangle

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



12.6021, 0.3160, 0.2259



12.6021, 0.4575, 0.3092



12.6021, 0.2896, 0.4748



12.6021, 0.1838, 0.3251

Sweetspot

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



12.6027, 0.3160, 0.2259



36.2526, 0.3138, 0.2975



9.1935, 0.2352, 0.2040



7.8777, 0.3140, 0.2928



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



12.6027, 0.3160, 0.2259



19.1756, 0.3165, 0.2057



11.9805, 0.3623, 0.2709



5.1247, 0.3135, 0.3074



6.4542, 0.3168, 0.1519



0.0435, 0.3190, 0.1531

Inverse Universe

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



11.4194, 0.4192, 0.3274



16.8214, 0.4573, 0.3272



20.8436, 0.2823, 0.3966



5.0499, 0.3278, 0.3287



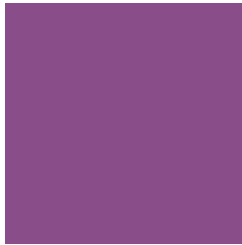
4.9590, 0.6374, 0.3285



0.0331, 0.6249, 0.3216

Previews

White Background



This preview shows how the Yxy color 12.6021, 0.3160, 0.2259 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 12.6021, 0.3160, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

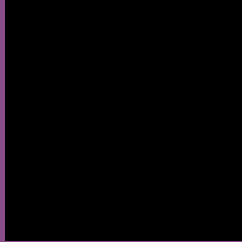
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6021, 0.3160, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 12.6021, 0.3160, 0.2259.



This preview shows how white text looks on a background with the Yxy color 12.6021, 0.3160, 0.2259.

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

12.6021, 0.3160, 0.2259

Protanopia

12.7739, 0.2305, 0.2180

Deuteranopia

12.6303, 0.2586, 0.2535



Tritanopia

12.6129, 0.3743, 0.3175

Trichromacy



Original Color

12.6021, 0.3160, 0.2259

Protanomaly

12.3870, 0.2559, 0.2193

Deuteranomaly

12.3572, 0.2775, 0.2419

Tritanomaly

12.4530, 0.3523, 0.2802

Monochromacy



Original Color

12.6021, 0.3160, 0.2259

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7113, 0.3148, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6021, 0.3160, 0.2259 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(137, 78, 138)` looks like.

```
.text, #text, p{  
    color:rgb(137, 78, 138)  
}
```

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(137, 78, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 78, 138) }
```

Border

The CSS property to change the border of an element to Yxy 12.6021, 0.3160, 0.2259 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(137, 78, 138) }
```

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

```
.border{ border-color:rgb(137, 78, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 78, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 78, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 78, 138);  
box-shadow:4px 4px 4px 4px rgb(137, 78,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6021, 0.3160, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 78, 138) }
```

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

```
.background{ background-color: rgb(137, 78,  
138) }
```

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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