

Converting Colors

$Y_{xy}(12.1122, 0.3651, 0.2975)$

Have a look what the booklet for
Yxy(12.1122, 0.3651, 0.2975)
contains.

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Color

Yxy(12.0860, 0.3660, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	835464
RGB	131, 84, 100
RGB Percent	51%, 33%, 39%
CMY	0.4862, 0.6706, 0.6078
CMYK	0.00, 0.36, 0.24, 0.49
HSL	340°, 22%, 42%
HSV	340°, 36%, 51%
XYZ	14.8339, 12.0860, 13.6099
YIQ	99.8770, 22.8760, 14.9400

Conversions

Conversions Part 2

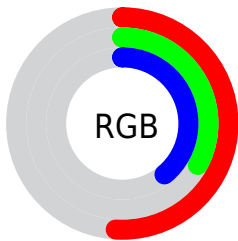
Format	Color
R_{YB}	131, 84, 100
Decimal	8606820
CIE Lab	41.35, 21.99, -1.12
CIE LCh	41, 22.020, 357.097
Yxy	12.0860, 0.3660, 0.2982
Android (android.graphics.Color)	4286796900 (0xFF835464)
YUV	99.8770, 0.0606, 27.2949
Hunter-Lab	34.7649, 15.3259, 1.1243

Details

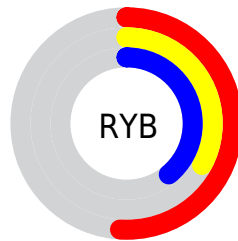
The Yxy color **12.0860, 0.3660, 0.2982** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.3618, 0.2784, 0.3625**, and the grayscale version is **12.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5988, 0.3521, 0.3054**, and **3.3487, 0.3948, 0.2847** is the 20% darker color. If you saturate the color by 10%, you get **10.0811, 0.3882, 0.2896**, and if you desaturate by 10%, it is **14.4903, 0.3474, 0.3071**.

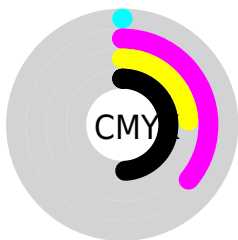
Distribution



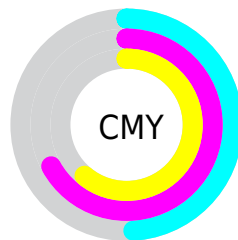
- Red (51%)
- Green (33%)
- Blue (39%)



- Red (51%)
- Yellow (33%)
- Blue (39%)



- Cyan (0%)
- Magenta (36%)
- Yellow (24%)
- Black (49%)




- Cyan (49%)
- Magenta (67%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0860, 0.3660, 0.2982 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 12.0860, 0.3660, 0.2982 by changing the saturation by 10% instead.


 12.0860, 0.3660,
0.2982


 12.0860, 0.3660,
0.2982


204.9738, 0.3336,
0.3169


 6.8023, 0.3771,
0.2919


 29.6516, 0.3523,
0.3060


 3.3388, 0.3940,
0.2823

 42.7023, 0.3478,
0.3086

 1.3110, 0.4228,
0.2663

 59.1108, 0.3442,
0.3107

 0.1497, 0.6348,
0.1399

 79.2615, 0.3413,
0.3124

 0.0000, 0.0000,
0.0000

 103.5387, 0.3389,
0.3138

132.3269, 0.3368,

0.3150

166.0105, 0.3351,
0.3160

■ 12.0860, 0.3660,
0.2982

■ 12.0860, 0.3660,
0.2982

■ 10.0811, 0.3882,
0.2896

■ 14.4903, 0.3474,
0.3071

■ 8.4521, 0.4142,
0.2820

■ 17.3123, 0.3319,
0.3159

■ 7.1755, 0.4438,
0.2762


■ 20.5715, 0.3191,
0.3243


■ 6.2247, 0.4761,
0.2735


■ 24.2855, 0.3087,
0.3322

■ 5.5691, 0.5093,
0.2748


■ 28.4709, 0.3000,
0.3394

 5.1588, 0.5412,
0.2803

 33.1435, 0.2929,
0.3461

 5.0140, 0.5542,
0.2826

 38.3184, 0.2870,
0.3523

 44.0101, 0.2821,
0.3579

 50.2322, 0.2781,
0.3630

Harmonies

Analogous

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



12.0860, 0.3178, 0.2693



12.0860, 0.3660, 0.2982



12.0860, 0.4003, 0.3350

Triad

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



12.0860, 0.3660, 0.2982



12.0860, 0.3497, 0.4166



12.0860, 0.2250, 0.2747

Complementary

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



12.0860, 0.3660, 0.2982



19.3618, 0.2784, 0.3625

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.



12.0860, 0.2321, 0.3128



12.0860, 0.3660, 0.2982



12.0860, 0.3020, 0.4012

Square

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



12.0860, 0.3660, 0.2982



12.0860, 0.3892, 0.4040



12.0860, 0.2594, 0.3609



12.0860, 0.2388, 0.2547

Rectangle

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



12.0860, 0.3660, 0.2982



12.0860, 0.4091, 0.3607



12.0860, 0.2594, 0.3609



12.0860, 0.2250, 0.2856

Sweetspot

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



12.0866, 0.3660, 0.2982



33.6003, 0.3257, 0.3199



11.5936, 0.2924, 0.2374



7.6708, 0.3271, 0.3189



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.0866, 0.3660, 0.2982



18.6770, 0.3837, 0.2912



12.9570, 0.3894, 0.3430



4.7130, 0.3230, 0.3216



4.9339, 0.5540, 0.2825



0.0184, 0.4496, 0.2250

Inverse Universe

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



12.0866, 0.3660, 0.2982



18.6770, 0.3837, 0.2912



17.9316, 0.2622, 0.3143



4.7130, 0.3230, 0.3216



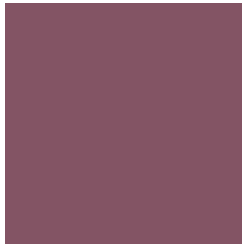
4.9339, 0.5540, 0.2825



0.0184, 0.4496, 0.2250

Previews

White Background



This preview shows how the Yxy color 12.0860, 0.3660, 0.2982 looks on a white background.

Color Contrast Check

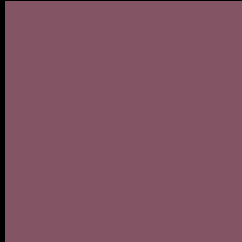
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0860, 0.3660, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

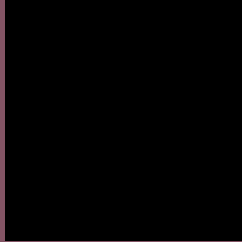
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0860, 0.3660, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 12.0860, 0.3660, 0.2982.



This preview shows how white text looks on a background with the Yxy color 12.0860, 0.3660, 0.2982.

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

12.0860, 0.3660, 0.2982

Protanopia

12.1735, 0.2978, 0.3044

Deuteranopia

12.1921, 0.3269, 0.3225



Tritanopia

12.0155, 0.3777, 0.3155

Trichromacy



Original Color

12.0860, 0.3660, 0.2982

Protanomaly

11.9254, 0.3202, 0.3011

Deuteranomaly

12.0960, 0.3407, 0.3123

Tritanomaly

12.0690, 0.3725, 0.3096

Monochromacy



Original Color

12.0860, 0.3660, 0.2982

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3050, 0.3304, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0860, 0.3660, 0.2982 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(131, 84, 100)` looks like.

```
.text, #text, p{  
    color:rgb(131, 84, 100)  
}
```

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(131, 84, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 84, 100) }
```

Border

The CSS property to change the border of an element to Yxy 12.0860, 0.3660, 0.2982 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(131, 84, 100) }
```

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

```
.border{ border-color:rgb(131, 84, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 84, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 84, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 84, 100);  
box-shadow:4px 4px 4px 4px rgb(131, 84,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0860, 0.3660, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 84, 100) }
```

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

```
.background{ background-color: rgb(131, 84,  
100) }
```

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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