

Converting Colors

$Y_{xy}(12.9679, 0.3691, 0.3064)$

Have a look what the booklet for
Yxy(12.9679, 0.3691, 0.3064)
contains.

Yxy(12.9679, 0.3691, 0.3064)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9679, 0.3691, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	865864
RGB	134, 88, 100
RGB Percent	53%, 35%, 39%
CMY	0.4745, 0.6549, 0.6079
CMYK	0.00, 0.34, 0.25, 0.47
HSL	344°, 21%, 44%
HSV	344°, 34%, 53%
XYZ	15.6216, 12.9679, 13.7340
YIQ	103.1220, 23.5640, 13.4840

Conversions

Conversions Part 2

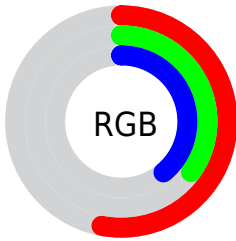
Format	Color
R_{YB}	134, 88, 100
Decimal	8804452
CIE _{Lab}	42.71, 20.80, 0.93
CIE _{LCh}	43, 20.823, 2.562
Yxy	12.9679, 0.3691, 0.3064
Android (android.graphics.Color)	4286994532 (0xFF865864)
YUV	103.1220, -1.5391, 27.0800
Hunter-Lab	36.0110, 14.4142, 2.5955

Details

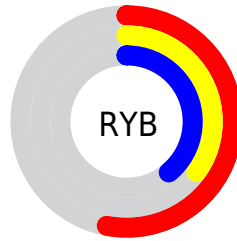
The Yxy color **12.9679, 0.3691, 0.3064** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5317, 0.2764, 0.3532**, and the grayscale version is **13.5973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1027, 0.3544, 0.3112**, and **3.6912, 0.3972, 0.2917** is the 20% darker color. If you saturate the color by 10%, you get **10.7867, 0.3938, 0.2998**, and if you desaturate by 10%, it is **15.5781, 0.3486, 0.3133**.

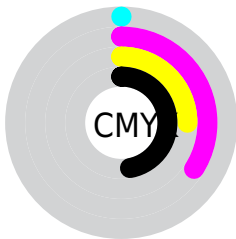
Distribution



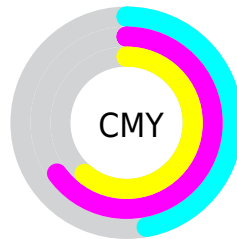
- Red (53%)
- Green (35%)
- Blue (39%)



- Red (53%)
- Yellow (35%)
- Blue (39%)



- Cyan (0%)
- Magenta (34%)
- Yellow (25%)
- Black (47%)




- Cyan (47%)
- Magenta (65%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9679, 0.3691, 0.3064 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 12.9679, 0.3691, 0.3064 by changing the saturation by 10% instead.


 12.9679, 0.3691,
0.3064


 12.9679, 0.3691,
0.3064


210.7118, 0.3349,
0.3202


 7.4064, 0.3807,
0.3017


 31.2461, 0.3548,
0.3122


 3.7176, 0.3981,
0.2945

 44.7316, 0.3500,
0.3141

 1.5169, 0.4275,
0.2822

 61.6273, 0.3462,
0.3157

 0.3005, 0.5851,
0.2216

 82.3176, 0.3431,
0.3169

 0.0000, 0.0000,
0.0000

 107.1867, 0.3406,
0.3179

136.6192, 0.3384,

0.3188

170.9995, 0.3365,
0.3196

■ 12.9679, 0.3691,
0.3064

■ 12.9679, 0.3691,
0.3064

■ 10.7867, 0.3938,
0.2998

■ 15.5781, 0.3486,
0.3133

■ 9.0095, 0.4230,
0.2939

■ 18.6368, 0.3317,
0.3200

■ 7.6120, 0.4564,
0.2896


■ 22.1644, 0.3179,
0.3264

■ 6.5658, 0.4929,
0.2879


■ 26.1795, 0.3066,
0.3323

■ 5.8392, 0.5301,
0.2897

■ 30.6999, 0.2973,
0.3378


 5.3906, 0.5647,
0.2954

 35.7423, 0.2897,
0.3428

 5.1896, 0.5833,
0.2987

 41.3227, 0.2834,
0.3474

 47.4563, 0.2782,
0.3516

 54.1579, 0.2739,
0.3554

Harmonies

Analogous

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



12.9679, 0.3259, 0.2775



12.9679, 0.3691, 0.3064



12.9679, 0.3969, 0.3415

Triad

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



12.9679, 0.3691, 0.3064



12.9679, 0.3394, 0.4090



12.9679, 0.2321, 0.2742

Complementary

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



12.9679, 0.3691, 0.3064



20.5317, 0.2764, 0.3532

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.



12.9679, 0.2351, 0.3069



12.9679, 0.3691, 0.3064



12.9679, 0.2952, 0.3899

Square

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



12.9679, 0.3691, 0.3064



12.9679, 0.3781, 0.4022



12.9679, 0.2575, 0.3504



12.9679, 0.2484, 0.2585

Rectangle

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



12.9679, 0.3691, 0.3064



12.9679, 0.4019, 0.3652



12.9679, 0.2575, 0.3504



12.9679, 0.2309, 0.2834

Sweetspot

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



12.9685, 0.3691, 0.3064



35.2854, 0.3257, 0.3227



12.8197, 0.2989, 0.2428



7.7862, 0.3274, 0.3219



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.



12.9685, 0.3691, 0.3064



19.8693, 0.3874, 0.3013



14.6471, 0.3827, 0.3496



4.7072, 0.3242, 0.3234



4.8647, 0.5826, 0.2983



0.0179, 0.4796, 0.2416

Inverse Universe

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



12.9685, 0.3691, 0.3064



19.8693, 0.3874, 0.3013



18.0293, 0.2631, 0.3072



4.7072, 0.3242, 0.3234



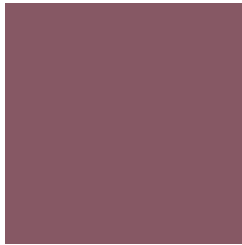
4.8647, 0.5826, 0.2983



0.0179, 0.4796, 0.2416

Previews

White Background



This preview shows how the Yxy color 12.9679, 0.3691, 0.3064 looks on a white background.

Color Contrast Check

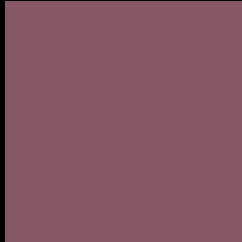
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9679, 0.3691, 0.3064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

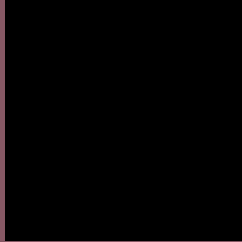
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9679, 0.3691, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 12.9679, 0.3691, 0.3064.



This preview shows how white text looks on a background with the Yxy color 12.9679, 0.3691, 0.3064.

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

12.9679, 0.3691, 0.3064

Protanopia

13.1356, 0.3048, 0.3159

Deuteranopia

13.0620, 0.3339, 0.3291



Tritanopia

13.0393, 0.3770, 0.3177

Trichromacy



Original Color

12.9679, 0.3691, 0.3064

Protanomaly

12.8759, 0.3272, 0.3122

Deuteranomaly

12.8993, 0.3461, 0.3188

Tritanomaly

13.0762, 0.3736, 0.3139

Monochromacy



Original Color

12.9679, 0.3691, 0.3064

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2721, 0.3311, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9679, 0.3691, 0.3064 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(134, 88, 100)` looks like.

```
.text, #text, p{  
    color:rgb(134, 88, 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(134, 88, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 88, 100) }
```

Border

The CSS property to change the border of an element to Yxy 12.9679, 0.3691, 0.3064 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(134, 88, 100) }
```

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

```
.border{ border-color:rgb(134, 88, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 88, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 88, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 88, 100);  
box-shadow:4px 4px 4px 4px rgb(134, 88,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9679, 0.3691, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 88, 100) }
```

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

```
.background{ background-color: rgb(134, 88,  
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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