

Converting Colors

$Y_{xy}(12.6139, 0.3494, 0.2673)$

Have a look what the booklet for
Yxy(12.6139, 0.3494, 0.2673)
contains.

Yxy(12.6139, 0.3494, 0.2673)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6139, 0.3494, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	895274
RGB	137, 82, 116
RGB Percent	54%, 32%, 45%
CMY	0.4627, 0.6785, 0.5451
CMYK	0.00, 0.40, 0.15, 0.46
HSL	323°, 25%, 43%
HSV	323°, 40%, 54%
XYZ	16.4882, 12.6139, 18.0879
YIQ	102.3210, 21.8660, 22.2340

Conversions

Conversions Part 2

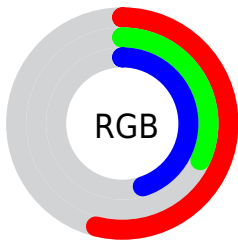
Format	Color
R_{YB}	137, 82, 116
Decimal	8999540
CIE _{Lab}	42.18, 28.10, -9.64
CIE _{LCh}	42, 29.708, 341.062
Yxy	12.6139, 0.3494, 0.2673
Android (android.graphics.Color)	4287189620 (0xFF895274)
YUV	102.3210, 6.7437, 30.4135
Hunter-Lab	35.5161, 20.7149, -5.3345

Details

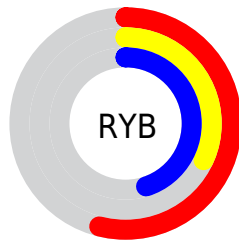
The Yxy color **12.6139, 0.3494, 0.2673** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.6695, 0.2884, 0.4007**, and the grayscale version is **13.3534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6786, 0.3400, 0.2824**, and **3.5979, 0.3666, 0.2406** is the 20% darker color. If you saturate the color by 10%, you get **10.6321, 0.3624, 0.2525**, and if you desaturate by 10%, it is **15.0164, 0.3380, 0.2829**.

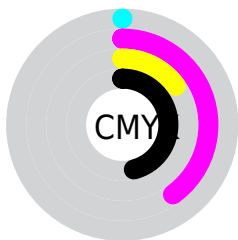
Distribution



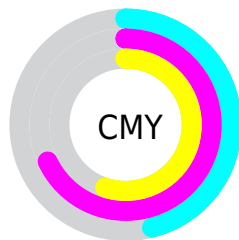
- Red (54%)
- Green (32%)
- Blue (45%)



- Red (54%)
- Yellow (32%)
- Blue (45%)



- Cyan (0%)
- Magenta (40%)
- Yellow (15%)
- Black (46%)





- Cyan (46%)
- Magenta (68%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6139, 0.3494, 0.2673 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 12.6139, 0.3494, 0.2673 by changing the saturation by 10% instead.


 12.6139, 0.3494,
0.2673


 12.6139, 0.3494,
0.2673


208.4282, 0.3279,
0.3032


 7.1632, 0.3562,
0.2561


 30.6084, 0.3406,
0.2818


 3.5644, 0.3661,
0.2400

 43.9210, 0.3376,
0.2868


 1.4330, 0.3817,
0.2151

 60.6230, 0.3352,
0.2908

 0.2409, 0.4379,
0.1150

 81.0988, 0.3333,
0.2942

 0.0000, 0.0000,
0.0000

 105.7328, 0.3316,
0.2970

134.9095, 0.3302,

0.2993

169.0131, 0.3290,
0.3014

■ 12.6139, 0.3494,
0.2673

■ 12.6139, 0.3494,
0.2673

■ 10.6321, 0.3624,
0.2525

■ 15.0164, 0.3380,
0.2829

■ 9.0444, 0.3769,
0.2393

■ 17.8606, 0.3282,
0.2987

■ 7.8239, 0.3927,
0.2289


■ 21.1683, 0.3199,
0.3141

■ 6.9397, 0.4093,
0.2222


■ 24.9590, 0.3128,
0.3288


■ 6.3555, 0.4262,
0.2201

■ 29.2516, 0.3069,
0.3426

 5.9706, 0.4430,
0.2214

 34.0635, 0.3019,
0.3555

 39.4115, 0.2978,
0.3674

 45.3116, 0.2944,
0.3784

 51.7792, 0.2915,
0.3885

Harmonies

Analogous

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



12.6139, 0.2845, 0.2390



12.6139, 0.3494, 0.2673



12.6139, 0.4086, 0.3091

Triad

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



12.6139, 0.3494, 0.2673



12.6139, 0.3898, 0.4394



12.6139, 0.2009, 0.2798

Complementary

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



12.6139, 0.3494, 0.2673



20.6695, 0.2884, 0.4007

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.



12.6139, 0.2230, 0.3400



12.6139, 0.3494, 0.2673



12.6139, 0.3305, 0.4434

Square

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



12.6139, 0.3494, 0.2673



12.6139, 0.4308, 0.4048



12.6139, 0.2695, 0.4049



12.6139, 0.2046, 0.2422

Rectangle

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



12.6139, 0.3494, 0.2673



12.6139, 0.4332, 0.3410



12.6139, 0.2695, 0.4049



12.6139, 0.2053, 0.2978

Sweetspot

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



12.6145, 0.3494, 0.2673



36.5796, 0.3215, 0.3109



10.6751, 0.2673, 0.2190



8.0574, 0.3224, 0.3092



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.



12.6145, 0.3494, 0.2673



19.3895, 0.3609, 0.2540



12.0804, 0.3957, 0.3155



5.0971, 0.3191, 0.3156



5.5624, 0.4425, 0.2212



0.0398, 0.3775, 0.1853

Inverse Universe

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



12.6145, 0.3494, 0.2673



19.3895, 0.3609, 0.2540



21.2931, 0.2652, 0.3436



5.0971, 0.3191, 0.3156



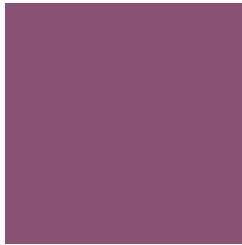
5.5624, 0.4425, 0.2212



0.0398, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 12.6139, 0.3494, 0.2673 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 12.6139, 0.3494, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

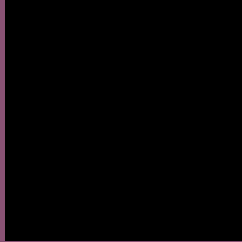
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6139, 0.3494, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 12.6139, 0.3494, 0.2673.



This preview shows how white text looks on a background with the Yxy color 12.6139, 0.3494, 0.2673.

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

12.6139, 0.3494, 0.2673

Protanopia

12.8093, 0.2687, 0.2674

Deuteranopia

12.6252, 0.2998, 0.2946



Tritanopia

12.5142, 0.3820, 0.3158

Trichromacy



Original Color

12.6139, 0.3494, 0.2673

Protanomaly

12.5351, 0.2939, 0.2658

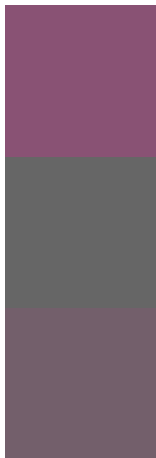
Deuteranomaly

12.5140, 0.3163, 0.2841

Tritanomaly

12.5875, 0.3703, 0.2990

Monochromacy



Original Color

12.6139, 0.3494, 0.2673

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8908, 0.3260, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6139, 0.3494, 0.2673 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, 82, 116)` looks like.

```
.text, #text, p{  
  color:rgb(137, 82, 116)  
}
```

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, 82, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 82, 116) }
```

Border

The CSS property to change the border of an element to Yxy 12.6139, 0.3494, 0.2673 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, 82, 116) }
```

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

```
.border{ border-color:rgb(137, 82, 116) }
```

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

Here you see how a box with a 4 pixel rgb(137, 82, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 82, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 82, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 82,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6139, 0.3494, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 82, 116) }
```

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

```
.background{ background-color: rgb(137, 82,  
116) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor