

Converting Colors

$Y_{xy}(13.7315, 0.3226, 0.2234)$

Have a look what the booklet for
Yxy(13.7315, 0.3226, 0.2234)
contains.

Yxy(13.6654, 0.3221, 0.2224)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6654, 0.3221, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	934E90
RGB	147, 78, 144
RGB Percent	58%, 31%, 56%
CMY	0.4235, 0.6941, 0.4352
CMYK	0.00, 0.47, 0.02, 0.42
HSL	303°, 31%, 44%
HSV	303°, 47%, 58%
XYZ	19.7915, 13.6654, 27.9883
YIQ	106.1550, 19.9380, 35.1540

Conversions

Conversions Part 2

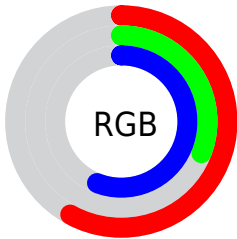
Format	Color
R_{YB}	147, 78, 144
Decimal	9653904
CIE _{Lab}	43.75, 38.82, -24.15
CIE _{LCh}	44, 45.717, 328.114
Yxy	13.6654, 0.3221, 0.2224
Android (android.graphics.Color)	4287843984 (0xFF934E90)
YUV	106.1550, 18.6576, 35.8211
Hunter-Lab	36.9667, 30.8746, -19.0129

Details

The Yxy color **13.6654, 0.3221, 0.2224** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.0794, 0.3037, 0.4655**, and the grayscale version is **14.4020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3343, 0.3208, 0.2446**, and **4.0005, 0.3219, 0.1838** is the 20% darker color. If you saturate the color by 10%, you get **11.7862, 0.3242, 0.2031**, and if you desaturate by 10%, it is **16.0128, 0.3199, 0.2439**.

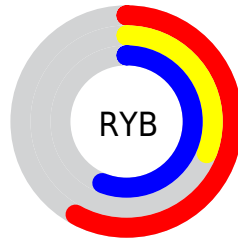
Distribution



Red (58%)

Green (31%)

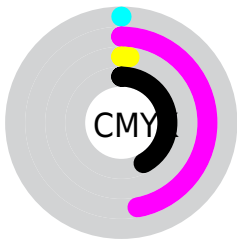
Blue (56%)



Red (58%)

Yellow (31%)

Blue (56%)

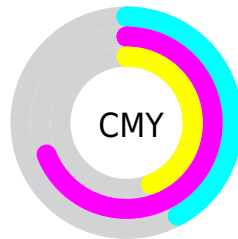


Cyan (0%)

Magenta (47%)

Yellow (2%)

Black (42%)



Cyan (42%)


Magenta (69%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6654, 0.3221, 0.2224 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 13.6654, 0.3221, 0.2224 by changing the saturation by 10% instead.


 13.6654, 0.3221,
0.2224


 13.6654, 0.3221,
0.2224


215.1392, 0.3184,
0.2812


 7.8883, 0.3223,
0.2059


 32.4941, 0.3212,
0.2451


 4.0236, 0.3220,
0.1836


 46.3146, 0.3207,
0.2533


 1.6868, 0.3200,
0.1523

 63.5849, 0.3202,
0.2600

 0.4151, 0.3185,
0.0913

 84.6896, 0.3198,
0.2656

 0.0000, 0.2367,
0.0000

 110.0130, 0.3194,
0.2704

 0.0000, 0.0000,
0.0000

139.9394, 0.3191,

0.2745

174.8534, 0.3187,
0.2781

■ 13.6654, 0.3221,
0.2224

■ 13.6654, 0.3221,
0.2224

■ 11.7862, 0.3242,
0.2031

■ 16.0128, 0.3199,
0.2439

■ 10.3419, 0.3263,
0.1869

■ 18.8552, 0.3178,
0.2668

■ 9.2978, 0.3282,
0.1744

■ 22.2194, 0.3158,
0.2901

■ 8.6129, 0.3299,
0.1660

■ 26.1300, 0.3139,
0.3133

■ 8.2191, 0.3314,
0.1614

■ 30.6097, 0.3122,
0.3358

■ 8.1155, 0.3318,
0.1601

■ 35.6802, 0.3106,
0.3571

■ 41.3620, 0.3092,
0.3771

■ 47.6745, 0.3080,
0.3956

■ 54.6363, 0.3069,
0.4126

Harmonies

Analogous

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



13.6654, 0.2352, 0.1945



13.6654, 0.3221, 0.2224



13.6654, 0.4206, 0.2711

Triad

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



13.6654, 0.3221, 0.2224



13.6654, 0.4489, 0.4641



13.6654, 0.1632, 0.2861

Complementary

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



13.6654, 0.3221, 0.2224



23.0794, 0.3037, 0.4655

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.



13.6654, 0.2058, 0.3890



13.6654, 0.3221, 0.2224



13.6654, 0.3700, 0.5059

Square

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



13.6654, 0.3221, 0.2224



13.6654, 0.4960, 0.3988



13.6654, 0.2812, 0.4829



13.6654, 0.1555, 0.2198

Rectangle

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



13.6654, 0.3221, 0.2224



13.6654, 0.4720, 0.3111



13.6654, 0.2812, 0.4829



13.6654, 0.1733, 0.3174

Sweetspot

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



13.6660, 0.3221, 0.2224



41.5520, 0.3153, 0.2963



9.2743, 0.2293, 0.1878



9.1840, 0.3157, 0.2917



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.6660, 0.3221, 0.2224



21.0449, 0.3243, 0.2027



12.7819, 0.3764, 0.2736



5.9049, 0.3143, 0.3081



7.0372, 0.3317, 0.1601



0.0872, 0.3259, 0.1569

Inverse Universe

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



13.6660, 0.3221, 0.2224



21.0449, 0.3243, 0.2027



23.7189, 0.2765, 0.3938



5.9049, 0.3143, 0.3081



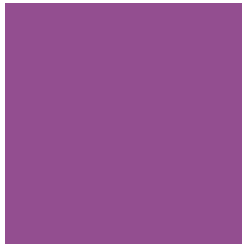
7.0372, 0.3317, 0.1601



0.0872, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 13.6654, 0.3221, 0.2224 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 13.6654, 0.3221, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

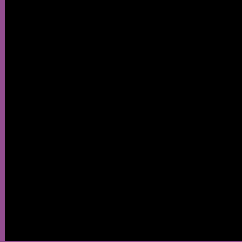
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6654, 0.3221, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 13.6654, 0.3221, 0.2224.



This preview shows how white text looks on a background with the Yxy color 13.6654, 0.3221, 0.2224.

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

13.6654, 0.3221, 0.2224

Protanopia

13.9324, 0.2256, 0.2117

Deuteranopia

13.7759, 0.2582, 0.2523



Tritanopia

13.6520, 0.3863, 0.3164

Trichromacy



Original Color

13.6654, 0.3221, 0.2224

Protanomaly

13.2663, 0.2523, 0.2115

Deuteranomaly

13.2625, 0.2787, 0.2380

Tritanomaly

13.5289, 0.3628, 0.2796

Monochromacy



Original Color

13.6654, 0.3221, 0.2224

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.7868, 0.3164, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6654, 0.3221, 0.2224 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(147, 78, 144)` looks like.

```
.text, #text, p{  
    color:rgb(147, 78, 144)  
}
```

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(147, 78, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 78, 144) }
```

Border

The CSS property to change the border of an element to Yxy 13.6654, 0.3221, 0.2224 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(147, 78, 144) }
```

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

```
.border{ border-color:rgb(147, 78, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 78, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 78, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 78, 144);  
box-shadow:4px 4px 4px 4px rgb(147, 78,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6654, 0.3221, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 78, 144) }
```

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

```
.background{ background-color: rgb(147, 78,  
144) }
```

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