

Converting Colors

$Y_{xy}(13.8505, 0.3025, 0.2831)$

Have a look what the booklet for
Yxy(13.8505, 0.3025, 0.2831)
contains.

Yxy(13.8395, 0.3022, 0.2829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8395, 0.3022, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	71637A
RGB	113, 99, 122
RGB Percent	44%, 39%, 48%
CMY	0.5569, 0.6117, 0.5217
CMYK	0.07, 0.19, 0.00, 0.52
HSL	277°, 10%, 43%
HSV	277°, 19%, 48%
XYZ	14.7837, 13.8395, 20.2970
YIQ	105.8080, 0.9610, 10.1210

Conversions

Conversions Part 2

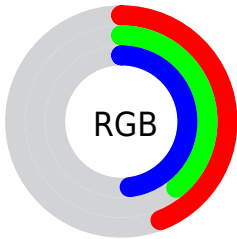
Format	Color
R_{YB}	113, 99, 122
Decimal	7431034
CIE Lab	44.00, 10.27, -10.80
CIE LCh	44, 14.900, 313.557
Yxy	13.8395, 0.3022, 0.2829
Android (android.graphics.Color)	4285621114 (0xFF71637A)
YUV	105.8080, 7.9827, 6.3074
Hunter-Lab	37.2015, 5.8323, -6.3073

Details

The Yxy color **13.8395, 0.3022, 0.2829** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.0015, 0.3216, 0.3761**, and the grayscale version is **14.3355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8680, 0.3054, 0.2947**, and **4.0608, 0.2972, 0.2617** is the 20% darker color. If you saturate the color by 10%, you get **11.3928, 0.2953, 0.2565**, and if you desaturate by 10%, it is **16.6531, 0.3082, 0.3081**.

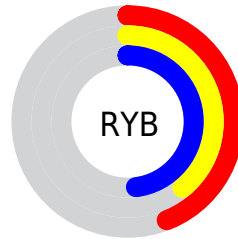
Distribution



Red (44%)

Green (39%)

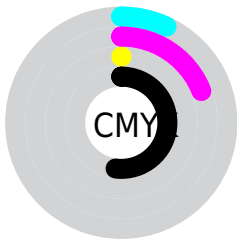
Blue (48%)



Red (44%)

Yellow (39%)

Blue (48%)

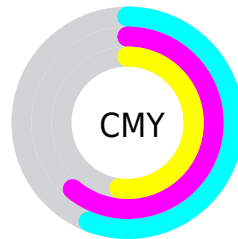


Cyan (7%)

Magenta (19%)

Yellow (0%)

Black (52%)



Cyan (56%)

Magenta (61%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.8395, 0.3022, 0.2829 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 13.8395, 0.3022, 0.2829 by changing the saturation by 10% instead.

■ 13.8395, 0.3022,
0.2829

■ 13.8395, 0.3022,
0.2829

■ 216.2301, 0.3087,
0.3098

■ 8.0091, 0.2999,
0.2744

■ 32.8040, 0.3050,
0.2939

■ 4.1008, 0.2963,
0.2621

■ 46.7069, 0.3059,
0.2976

■ 1.7301, 0.2902,
0.2428

■ 64.0694, 0.3066,
0.3006

■ 0.4430, 0.2824,
0.1863

■ 85.2759, 0.3072,
0.3031

■ 0.0000, 0.0000,
0.0000

■ 110.7108, 0.3077,
0.3052

■ 140.7586, 0.3081,

0.3070

175.8035, 0.3085,
0.3085

■ 13.8395, 0.3022,
0.2829

■ 13.8395, 0.3022,
0.2829

■ 11.3928, 0.2953,
0.2565

■ 16.6531, 0.3082,
0.3081

■ 9.2954, 0.2874,
0.2293

■ 19.8468, 0.3133,
0.3317

■ 7.5308, 0.2787,
0.2024

■ 23.4351, 0.3175,
0.3534

■ 6.0806, 0.2692,
0.1765

■ 27.4313, 0.3211,
0.3733

■ 4.9242, 0.2592,
0.1530

■ 31.8482, 0.3240,
0.3913

4.0390, 0.2490,
0.1329

36.6979, 0.3264,
0.4076

3.3984, 0.2391,
0.1170

41.9920, 0.3284,
0.4223

2.9263, 0.2294,
0.1046

47.7416, 0.3299,
0.4355

2.8731, 0.2283,
0.1031

53.9575, 0.3312,
0.4473

Harmonies

Analogous

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



13.8395, 0.2747, 0.2776



13.8395, 0.3022, 0.2829



13.8395, 0.3340, 0.2990

Triad

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



13.8395, 0.3022, 0.2829



13.8395, 0.3702, 0.3711



13.8395, 0.2663, 0.3331

Complementary

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



13.8395, 0.3022, 0.2829



18.0015, 0.3216, 0.3761

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.



13.8395, 0.2901, 0.3620



13.8395, 0.3022, 0.2829



13.8395, 0.3503, 0.3839

Square

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



13.8395, 0.3022, 0.2829



13.8395, 0.3744, 0.3484



13.8395, 0.3208, 0.3811



13.8395, 0.2548, 0.3046

Rectangle

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



13.8395, 0.3022, 0.2829



13.8395, 0.3530, 0.3141



13.8395, 0.3208, 0.3811



13.8395, 0.2731, 0.3432

Sweetspot

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



13.8401, 0.3022, 0.2829



30.7537, 0.3096, 0.3146



14.8237, 0.2843, 0.3001



6.9716, 0.3094, 0.3134



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.8401, 0.3022, 0.2829



22.2462, 0.2991, 0.2705



14.4089, 0.3179, 0.2889



4.0030, 0.3080, 0.3075



3.0212, 0.2281, 0.1030



13.9085, 0.2236, 0.1005

Inverse Universe

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



14.1429, 0.3343, 0.3112



22.9098, 0.3410, 0.3065



17.5120, 0.3079, 0.3727



4.0386, 0.3221, 0.3207



4.5764, 0.5335, 0.2712



21.6735, 0.5463, 0.2783

Previews

White Background



This preview shows how the Yxy color 13.8395, 0.3022, 0.2829 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 13.8395, 0.3022, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

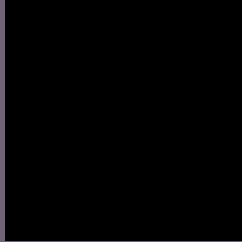
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.8395, 0.3022, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 13.8395, 0.3022, 0.2829.



This preview shows how white text looks on a background with the Yxy color 13.8395, 0.3022, 0.2829.

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

13.8395, 0.3022, 0.2829

Protanopia

13.8905, 0.2815, 0.2832

Deuteranopia

13.9474, 0.2939, 0.2898



Tritanopia

13.7910, 0.3164, 0.3123

Trichromacy



Original Color

13.8395, 0.3022, 0.2829

Protanomaly

13.9612, 0.2890, 0.2838

Deuteranomaly

13.9390, 0.2979, 0.2882

Tritanomaly

13.7740, 0.3112, 0.3002

Monochromacy



Original Color

13.8395, 0.3022, 0.2829

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1216, 0.3094, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8395, 0.3022, 0.2829 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(113, 99, 122)` looks like.

```
.text, #text, p{  
    color:rgb(113, 99, 122)  
}
```

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(113, 99, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 99, 122) }
```

Border

The CSS property to change the border of an element to Yxy 13.8395, 0.3022, 0.2829 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(113, 99, 122) }
```

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

```
.border{ border-color:rgb(113, 99, 122) }
```

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

Here you see how a box with a 4 pixel rgb(113, 99, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 99, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 99, 122);  
box-shadow:4px 4px 4px 4px rgb(113, 99,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8395, 0.3022, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 99, 122) }
```

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

```
.background{ background-color: rgb(113, 99,  
122) }
```

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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