

Converting Colors

$Y_{xy}(13.0406, 0.2802, 0.2262)$

Have a look what the booklet for
Yxy(13.0406, 0.2802, 0.2262)
contains.

Yxy(13.0406, 0.2802, 0.2262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0406, 0.2802, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	765991
RGB	118, 89, 145
RGB Percent	46%, 35%, 57%
CMY	0.5373, 0.6510, 0.4313
CMYK	0.19, 0.39, 0.00, 0.43
HSL	271°, 24%, 46%
HSV	271°, 39%, 57%
XYZ	16.1537, 13.0406, 28.4564
YIQ	104.0550, -0.6920, 23.5640

Conversions

Conversions Part 2

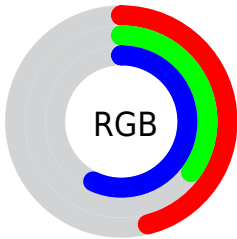
Format	Color
R _Y B	118, 89, 145
Decimal	7756177
CIE Lab	42.82, 23.41, -26.45
CIE LCh	43, 35.318, 311.506
Yxy	13.0406, 0.2802, 0.2262
Android (android.graphics.Color)	4285946257 (0xFF765991)
YUV	104.0550, 20.1859, 12.2298
Hunter-Lab	36.1118, 16.6521, -21.4428

Details

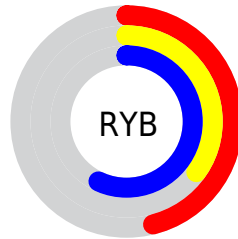
The Yxy color **13.0406, 0.2802, 0.2262** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.6888, 0.3355, 0.4329**, and the grayscale version is **13.8041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2467, 0.2890, 0.2485**, and **3.7648, 0.2625, 0.1876** is the 20% darker color. If you saturate the color by 10%, you get **10.3890, 0.2691, 0.1976**, and if you desaturate by 10%, it is **16.2050, 0.2903, 0.2547**.

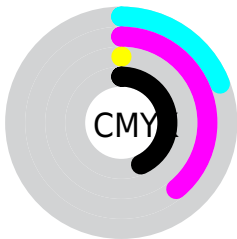
Distribution



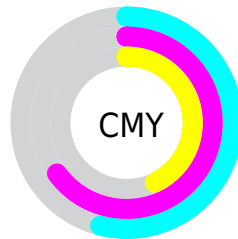
- Red (46%)
- Green (35%)
- Blue (57%)



- Red (46%)
- Yellow (35%)
- Blue (57%)



- Cyan (19%)
- Magenta (39%)
- Yellow (0%)
- Black (43%)





- Cyan (54%)
- Magenta (65%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0406, 0.2802, 0.2262 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 13.0406, 0.2802, 0.2262 by changing the saturation by 10% instead.


 13.0406, 0.2802,
0.2262


 13.0406, 0.2802,
0.2262


211.1777, 0.3007,
0.2841

 7.4565, 0.2731,
0.2094


 31.3767, 0.2890,
0.2489

 3.7492, 0.2624,
0.1864

 44.8975, 0.2918,
0.2570

 1.5343, 0.2450,
0.1536

 61.8327, 0.2941,
0.2635

 0.3127, 0.2192,
0.0789

 82.5666, 0.2959,
0.2690

 0.0000, 0.0000,
0.0000

 107.4837, 0.2974,
0.2737

136.9683, 0.2987,

0.2776

171.4048, 0.2998,
0.2811

■ 13.0406, 0.2802,
0.2262

■ 13.0406, 0.2802,
0.2262

■ 10.3890, 0.2691,
0.1976

■ 16.2050, 0.2903,
0.2547

■ 8.2198, 0.2571,
0.1699

■ 19.9071, 0.2992,
0.2822

■ 6.5016, 0.2446,
0.1446

■ 24.1721, 0.3069,
0.3082

■ 5.1988, 0.2322,
0.1229

■ 29.0230, 0.3136,
0.3322

■ 4.2698, 0.2202,
0.1060

■ 34.4817, 0.3192,
0.3541

■ 3.6253, 0.2091,
0.0934

■ 40.5688, 0.3239,
0.3740

■ 3.5426, 0.2076,
0.0917

■ 47.3040, 0.3278,
0.3919

■ 54.7059, 0.3310,
0.4079

■ 62.7927, 0.3337,
0.4223

Harmonies

Analogous

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



13.0406, 0.2215, 0.2146



13.0406, 0.2802, 0.2262



13.0406, 0.3563, 0.2584

Triad

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



13.0406, 0.2802, 0.2262



13.0406, 0.4492, 0.4151



13.0406, 0.2079, 0.3397

Complementary

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



13.0406, 0.2802, 0.2262



24.6888, 0.3355, 0.4329

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.



13.0406, 0.2602, 0.4188



13.0406, 0.2802, 0.2262



13.0406, 0.3998, 0.4577

Square

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



13.0406, 0.2802, 0.2262



13.0406, 0.4612, 0.3603



13.0406, 0.3305, 0.4650



13.0406, 0.1839, 0.2693

Rectangle

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



13.0406, 0.2802, 0.2262



13.0406, 0.4056, 0.2886



13.0406, 0.3305, 0.4650



13.0406, 0.2224, 0.3670

Sweetspot

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



13.0411, 0.2802, 0.2262



40.3924, 0.3043, 0.2990



16.6763, 0.2524, 0.2718



8.7939, 0.3034, 0.2961



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



13.0411, 0.2802, 0.2262



19.3307, 0.2710, 0.2023



15.1819, 0.3183, 0.2382



5.3836, 0.3066, 0.3068



3.0538, 0.2082, 0.0921



0.0423, 0.2564, 0.1186

Inverse Universe

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



14.4275, 0.3596, 0.2819



22.2699, 0.3744, 0.2719



23.1142, 0.3066, 0.4405



5.4647, 0.3211, 0.3184



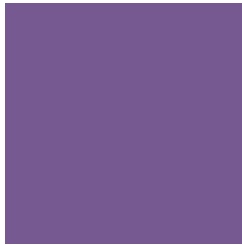
5.5473, 0.4978, 0.2516



0.0575, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 13.0406, 0.2802, 0.2262 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 13.0406, 0.2802, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

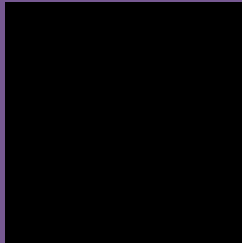
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0406, 0.2802, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 13.0406, 0.2802, 0.2262.



This preview shows how white text looks on a background with the Yxy color 13.0406, 0.2802, 0.2262.

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

13.0406, 0.2802, 0.2262

Protanopia

13.2413, 0.2331, 0.2225

Deuteranopia

13.1237, 0.2473, 0.2413



Tritanopia

12.9488, 0.3225, 0.3121

Trichromacy



Original Color

13.0406, 0.2802, 0.2262

Protanomaly

13.0330, 0.2474, 0.2226

Deuteranomaly

12.9760, 0.2574, 0.2344

Tritanomaly

12.9389, 0.3064, 0.2766

Monochromacy



Original Color

13.0406, 0.2802, 0.2262

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5068, 0.3005, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0406, 0.2802, 0.2262 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(118, 89, 145)` looks like.

```
.text, #text, p{  
    color:rgb(118, 89, 145)  
}
```

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(118, 89, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 89, 145) }
```

Border

The CSS property to change the border of an element to Yxy 13.0406, 0.2802, 0.2262 is called "border". The border property can be set on classes, ids or directly on the HTML element.

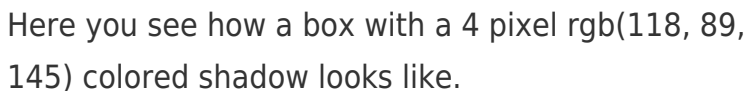
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 89, 145) }
```

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

```
.border{ border-color:rgb(118, 89, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 89, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 89, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 89, 145); box-shadow:4px 4px 4px 4px rgb(118, 89, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0406, 0.2802, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 89, 145) }
```

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

```
.background{ background-color: rgb(118, 89,  
145) }
```

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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