

Converting Colors

$Y_{xy}(13.7922, 0.4011, 0.2369)$

Have a look what the booklet for
Yxy(13.7922, 0.4011, 0.2369)
contains.

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Color

Yxy(13.7797, 0.4006, 0.2363)

Conversions

Conversions Part 1

Format	Color
Hex	B1397E
RGB	177, 57, 126
RGB Percent	69%, 22%, 49%
CMY	0.3059, 0.7764, 0.5058
CMYK	0.00, 0.68, 0.29, 0.31
HSL	325°, 51%, 46%
HSV	325°, 68%, 69%
XYZ	23.3608, 13.7797, 21.1740
YIQ	100.7460, 49.3710, 46.8990

Conversions

Conversions Part 2

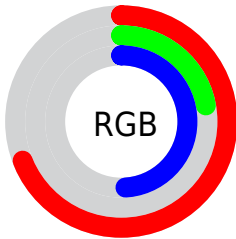
Format	Color
RYB	177, 57, 126
Decimal	11614590
CIELab	43.92, 54.94, -12.57
CIELCh	44, 56.362, 347.114
Yxy	13.7797, 0.4006, 0.2363
Android (android.graphics.Color)	4289804670 (0xFFB1397E)
YUV	100.7460, 12.4502, 66.8748
Hunter-Lab	37.1210, 47.3707, -7.8345

Details

The Yxy color **13.7797, 0.4006, 0.2363** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **33.3950, 0.2753, 0.4570**, and the grayscale version is **12.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6759, 0.3803, 0.2561**, and **4.5289, 0.4320, 0.2153** is the 20% darker color. If you saturate the color by 10%, you get **12.1379, 0.4200, 0.2300**, and if you desaturate by 10%, it is **16.0474, 0.3824, 0.2464**.

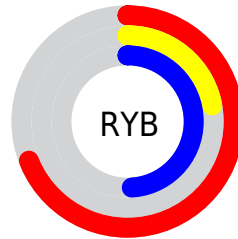
Distribution



Red (69%)

Green (22%)

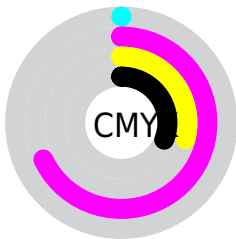
Blue (49%)



Red (69%)

Yellow (22%)

Blue (49%)

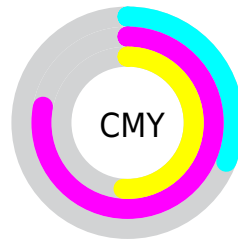


Cyan (0%)

Magenta (68%)

Yellow (29%)

Black (31%)



Cyan (31%)


Magenta (78%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7797, 0.4006, 0.2363 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 13.7797, 0.4006, 0.2363 by changing the saturation by 10% instead.


 13.7797, 0.4006,
0.2363

 13.7797, 0.4006,
0.2363


215.8560, 0.3499,
0.2882


 7.9676, 0.4161,
0.2213


 32.6976, 0.3803,
0.2566


 4.0742, 0.4380,
0.2006


 46.5722, 0.3732,
0.2638


 1.7152, 0.4711,
0.1709

 63.9032, 0.3675,
0.2697

 0.4335, 0.5358,
0.1095

 85.0748, 0.3628,
0.2746

 0.0000, 0.8283,
0.0000

 110.4715, 0.3588,
0.2788

 0.0000, 0.0000,
0.0000

140.4776, 0.3554,

0.2824

175.4777, 0.3525,
0.2855

■ 13.7797, 0.4006,
0.2363

■ 13.7797, 0.4006,
0.2363

■ 12.1379, 0.4200,
0.2300

■ 16.0474, 0.3824,
0.2464

■ 11.0528, 0.4398,
0.2285

■ 18.9963, 0.3658,
0.2592

■ 10.4200, 0.4594,
0.2319

■ 22.6777, 0.3512,
0.2736

■ 10.3020, 0.4637,
0.2328

■ 27.1377, 0.3386,
0.2886

■ 32.4185, 0.3278,
0.3036

■ 38.5590, 0.3187,
0.3182

■ 45.5960, 0.3112,
0.3320

■ 53.5638, 0.3048,
0.3449

■ 62.4950, 0.2996,
0.3569

Harmonies

Analogous

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



13.7797, 0.2803, 0.1890



13.7797, 0.4006, 0.2363



13.7797, 0.5051, 0.3010

Triad

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



13.7797, 0.4006, 0.2363



13.7797, 0.4103, 0.5268



13.7797, 0.1283, 0.2187

Complementary

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



13.7797, 0.4006, 0.2363



33.3950, 0.2753, 0.4570

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.



13.7797, 0.1485, 0.3151



13.7797, 0.4006, 0.2363



13.7797, 0.3073, 0.5452

Square

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



13.7797, 0.4006, 0.2363



13.7797, 0.4965, 0.4529



13.7797, 0.2106, 0.4542



13.7797, 0.1428, 0.1744

Rectangle

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



13.7797, 0.4006, 0.2363



13.7797, 0.5365, 0.3488



13.7797, 0.2106, 0.4542



13.7797, 0.1309, 0.2443

Sweetspot

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



13.7804, 0.4006, 0.2363



55.5086, 0.3304, 0.2998



9.2270, 0.2299, 0.1372



11.4586, 0.3333, 0.2957



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.7804, 0.4006, 0.2363



20.7314, 0.4291, 0.2287



12.6788, 0.5157, 0.3173



8.5845, 0.3200, 0.3160



7.4769, 0.4617, 0.2317



0.2466, 0.4127, 0.2047

Inverse Universe

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



13.7804, 0.4006, 0.2363



20.7314, 0.4291, 0.2287



35.1026, 0.2402, 0.3457



8.5845, 0.3200, 0.3160



7.4769, 0.4617, 0.2317



0.2466, 0.4127, 0.2047

Previews

White Background



This preview shows how the Yxy color 13.7797, 0.4006, 0.2363 looks on a white background.

Color Contrast Check

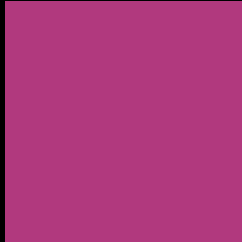
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7797, 0.4006, 0.2363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

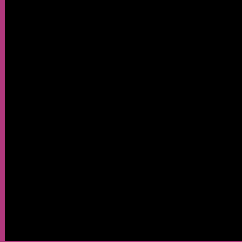
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7797, 0.4006, 0.2363

Background



This preview shows how black text looks on a background with the Yxy color 13.7797, 0.4006, 0.2363.



This preview shows how white text looks on a background with the Yxy color 13.7797, 0.4006, 0.2363.

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

13.7797, 0.4006, 0.2363

Protanopia

14.1350, 0.2331, 0.2218

Deuteranopia

14.0470, 0.2978, 0.2920



Tritanopia

13.7726, 0.4847, 0.3226

Trichromacy



Original Color

13.7797, 0.4006, 0.2363

Protanomaly

12.6137, 0.2776, 0.2180

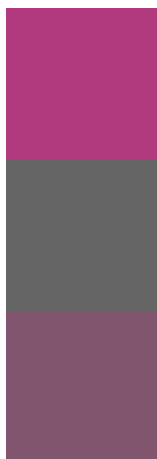
Deuteranomaly

13.0473, 0.3328, 0.2629

Tritanomaly

13.5874, 0.4542, 0.2888

Monochromacy



Original Color

13.7797, 0.4006, 0.2363

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.2899, 0.3456, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7797, 0.4006, 0.2363 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(177, 57, 126)` looks like.

```
.text, #text, p{  
    color:rgb(177, 57, 126)  
}
```

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(177, 57, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 57, 126) }
```

Border

The CSS property to change the border of an element to Yxy 13.7797, 0.4006, 0.2363 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(177, 57, 126) }
```

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

```
.border{ border-color:rgb(177, 57, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 57, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 57, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 57, 126);  
box-shadow:4px 4px 4px 4px rgb(177, 57,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7797, 0.4006, 0.2363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 57, 126) }
```

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

```
.background{ background-color: rgb(177, 57,  
126) }
```

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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