

Converting Colors

$Y_{xy}(10.0346, 0.2925, 0.2377)$

Have a look what the booklet for
Yxy(10.0346, 0.2925, 0.2377)
contains.

Yxy(9.9797, 0.2931, 0.2378)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(9.9797, 0.2931, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	6B4E7A
RGB	107, 78, 122
RGB Percent	42%, 31%, 48%
CMY	0.5804, 0.6941, 0.5216
CMYK	0.12, 0.36, 0.00, 0.52
HSL	280°, 22%, 39%
HSV	280°, 36%, 48%
XYZ	12.3005, 9.9797, 19.6866
YIQ	91.6870, 3.1600, 19.8320

Conversions

Conversions Part 2

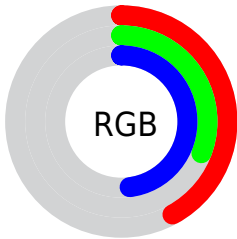
Format	Color
R_{YB}	107, 78, 122
Decimal	7032442
CIE _{Lab}	37.81, 20.99, -20.32
CIE _{LCh}	38, 29.215, 315.920
Y _{xy}	9.9797, 0.2931, 0.2378
Android (android.graphics.Color)	4285222522 (0xFF6B4E7A)
YUV	91.6870, 14.9443, 13.4295
Hunter-Lab	31.5907, 14.2189, -14.8348

Details

The Yxy color **9.9797, 0.2931, 0.2378** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **16.7929, 0.3260, 0.4261**, and the grayscale version is **10.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6448, 0.2986, 0.2585**, and **2.4986, 0.2807, 0.1976** is the 20% darker color. If you saturate the color by 10%, you get **8.1531, 0.2858, 0.2113**, and if you desaturate by 10%, it is **12.1411, 0.2996, 0.2643**.

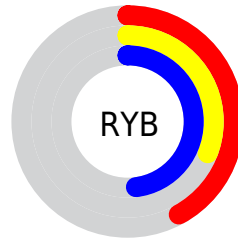
Distribution



Red (42%)

Green (31%)

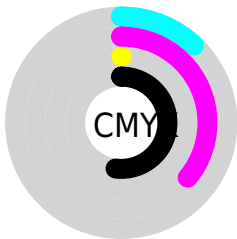
Blue (48%)



Red (42%)

Yellow (31%)

Blue (48%)

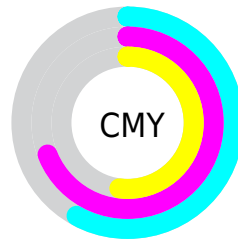


Cyan (12%)

Magenta (36%)

Yellow (0%)

Black (52%)



Cyan (58%)

Magenta (69%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 9.9797, 0.2931, 0.2378 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 9.9797, 0.2931, 0.2378 by changing the saturation by 10% instead.

■ 9.9797, 0.2931,
0.2378

■ 9.9797, 0.2931,
0.2378

■ 190.5271, 0.3063,
0.2916

■ 5.3855, 0.2879,
0.2208

■ 25.7573, 0.2991,
0.2598

■ 2.4752, 0.2794,
0.1963

■ 37.7095, 0.3009,
0.2672

■ 0.8642, 0.2637,
0.1587

■ 52.8832, 0.3023,
0.2733

■ 0.0000, 0.1940,
0.0000

■ 71.6627, 0.3034,
0.2782

■ 0.0000, 0.0000,
0.0000

■ 94.4324, 0.3043,
0.2824

121.5768, 0.3051,

0.2859

153.4803, 0.3057,
0.2890

■ 9.9797, 0.2931,
0.2378

■ 9.9797, 0.2931,
0.2378

■ 8.1531, 0.2858,
0.2113

■ 12.1411, 0.2996,
0.2643

■ 6.6420, 0.2777,
0.1859

■ 14.6528, 0.3053,
0.2902

■ 5.4272, 0.2692,
0.1625

■ 17.5305, 0.3101,
0.3148

■ 4.4867, 0.2603,
0.1423

■ 20.7888, 0.3142,
0.3379

■ 3.7953, 0.2515,
0.1261

■ 24.4415, 0.3177,
0.3592

■ 3.3064, 0.2428,
0.1139

■ 28.5017, 0.3205,
0.3787

■ 3.1293, 0.2394,
0.1093

■ 32.9817, 0.3227,
0.3965

■ 37.8935, 0.3246,
0.4125

■ 43.2485, 0.3260,
0.4270

Harmonies

Analogous

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



9.9797, 0.2360, 0.2242



9.9797, 0.2931, 0.2378



9.9797, 0.3628, 0.2701

Triad

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



9.9797, 0.2931, 0.2378



9.9797, 0.4326, 0.4157



9.9797, 0.2122, 0.3288

Complementary

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



9.9797, 0.2931, 0.2378



16.7929, 0.3260, 0.4261

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.



9.9797, 0.2571, 0.4000



9.9797, 0.2931, 0.2378



9.9797, 0.3845, 0.4496

Square

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



9.9797, 0.2931, 0.2378



9.9797, 0.4484, 0.3667



9.9797, 0.3201, 0.4477



9.9797, 0.1936, 0.2681

Rectangle

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



9.9797, 0.2931, 0.2378



9.9797, 0.4054, 0.2994



9.9797, 0.3201, 0.4477



9.9797, 0.2244, 0.3528

Sweetspot

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



9.9801, 0.2931, 0.2378



28.1285, 0.3077, 0.3022



10.9234, 0.2556, 0.2633



6.3118, 0.3072, 0.2996



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.



9.9801, 0.2931, 0.2378



14.9503, 0.2873, 0.2166



10.8327, 0.3271, 0.2555



4.0124, 0.3088, 0.3076



3.2906, 0.2393, 0.1092



15.2132, 0.2351, 0.1069

Inverse Universe

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



10.3759, 0.3658, 0.2983



15.8098, 0.3831, 0.2914



16.1857, 0.3012, 0.4158



4.0355, 0.3228, 0.3217



4.5274, 0.5530, 0.2820



21.4514, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 9.9797, 0.2931, 0.2378 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 ✓ Pass

Black Background



This preview shows how the Yxy color 9.9797, 0.2931, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

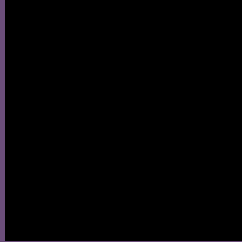
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 9.9797, 0.2931, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 9.9797, 0.2931, 0.2378.



This preview shows how white text looks on a background with the Yxy color 9.9797, 0.2931, 0.2378.

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

9.9797, 0.2931, 0.2378

Protanopia

10.1277, 0.2433, 0.2347

Deuteranopia

10.0848, 0.2599, 0.2551



Tritanopia

9.9208, 0.3323, 0.3128

Trichromacy



Original Color

9.9797, 0.2931, 0.2378

Protanomaly

9.8992, 0.2588, 0.2343

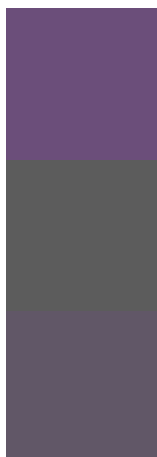
Deuteranomaly

9.8948, 0.2699, 0.2464

Tritanomaly

9.9370, 0.3182, 0.2842

Monochromacy



Original Color

9.9797, 0.2931, 0.2378

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.3370, 0.3048, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.9797, 0.2931, 0.2378 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(107, 78, 122)` looks like.

```
.text, #text, p{  
    color:rgb(107, 78, 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(107, 78, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 78, 122) }
```

Border

The CSS property to change the border of an element to Yxy 9.9797, 0.2931, 0.2378 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(107, 78, 122) }
```

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

```
.border{ border-color:rgb(107, 78, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 78, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 78, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 78, 122);  
box-shadow:4px 4px 4px 4px rgb(107, 78,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 9.9797, 0.2931, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 78, 122) }
```

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

```
.background{ background-color: rgb(107, 78,  
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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