

Converting Colors

$Y_{xy}(10.4197, 0.3750, 0.2283)$

Have a look what the booklet for
Yxy(10.4197, 0.3750, 0.2283)
contains.

Yxy(10.4304, 0.3745, 0.2275)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.4304, 0.3745, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	963676
RGB	150, 54, 118
RGB Percent	59%, 21%, 46%
CMY	0.4117, 0.7883, 0.5373
CMYK	0.00, 0.64, 0.21, 0.41
HSL	320°, 47%, 40%
HSV	320°, 64%, 59%
XYZ	17.1700, 10.4304, 18.2475
YIQ	90.0000, 36.6720, 40.2560

Conversions

Conversions Part 2

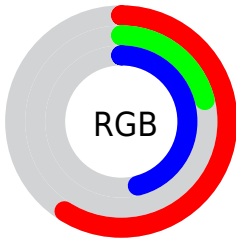
Format	Color
R_{YB}	150, 54, 118
Decimal	9844342
CIE _{Lab}	38.60, 47.29, -16.12
CIE _{LCh}	39, 49.959, 341.174
Yxy	10.4304, 0.3745, 0.2275
Android (android.graphics.Color)	4288034422 (0xFF963676)
YUV	90.0000, 13.8040, 52.6200
Hunter-Lab	32.2961, 38.3802, -10.8918

Details

The Yxy color **10.4304, 0.3745, 0.2275** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.2761, 0.2825, 0.4661**, and the grayscale version is **10.1856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.6831, 0.3605, 0.2515**, and **2.9290, 0.3978, 0.1965** is the 20% darker color. If you saturate the color by 10%, you get **9.1282, 0.3883, 0.2176**, and if you desaturate by 10%, it is **12.1707, 0.3615, 0.2406**.

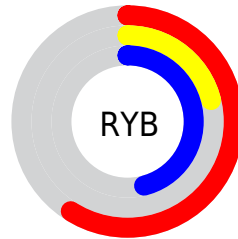
Distribution



Red (59%)

Green (21%)

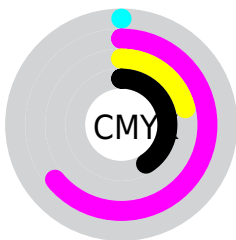
Blue (46%)



Red (59%)

Yellow (21%)

Blue (46%)

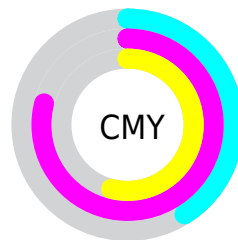


Cyan (0%)

Magenta (64%)

Yellow (21%)

Black (41%)



Cyan (41%)


Magenta (79%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.4304, 0.3745, 0.2275 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 10.4304, 0.3745, 0.2275 by changing the saturation by 10% instead.


 10.4304, 0.3745,
0.2275


 10.4304, 0.3745,
0.2275


193.7169, 0.3384,
0.2859


 5.6852, 0.3858,
0.2098


 26.6020, 0.3599,
0.2509


 2.6547, 0.4019,
0.1851

 38.7971, 0.3548,
0.2590


 0.9542, 0.4266,
0.1485

 54.2445, 0.3508,
0.2656

 0.0000, 0.5151,
0.0000

 73.3283, 0.3474,
0.2710

 0.0000, 0.0000,
0.0000

 96.4331, 0.3446,
0.2756

 123.9432, 0.3423,

0.2796

156.2430, 0.3402,
0.2829

■ 10.4304, 0.3745,
0.2275

■ 10.4304, 0.3745,
0.2275

■ 9.1282, 0.3883,
0.2176

■ 12.1707, 0.3615,
0.2406

■ 8.2212, 0.4026,
0.2120

■ 14.3835, 0.3496,
0.2560

■ 7.6602, 0.4167,
0.2110

■ 17.1015, 0.3391,
0.2725

■ 7.4064, 0.4253,
0.2117

■ 20.3542, 0.3298,
0.2896

■ 24.1687, 0.3219,
0.3064

■ 28.5702, 0.3151,
0.3227

■ 33.5825, 0.3094,
0.3381

■ 39.2280, 0.3046,
0.3526

■ 45.5280, 0.3006,
0.3660

Harmonies

Analogous

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



10.4304, 0.2610, 0.1855



10.4304, 0.3745, 0.2275



10.4304, 0.4841, 0.2888

Triad

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



10.4304, 0.3745, 0.2275



10.4304, 0.4280, 0.5108



10.4304, 0.1330, 0.2359

Complementary

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



10.4304, 0.3745, 0.2275



23.2761, 0.2825, 0.4661

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.



10.4304, 0.1609, 0.3410



10.4304, 0.3745, 0.2275



10.4304, 0.3287, 0.5432

Square

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



10.4304, 0.3745, 0.2275



10.4304, 0.5055, 0.4360



10.4304, 0.2304, 0.4751



10.4304, 0.1407, 0.1832

Rectangle

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



10.4304, 0.3745, 0.2275



10.4304, 0.5256, 0.3352



10.4304, 0.2304, 0.4751



10.4304, 0.1380, 0.2648

Sweetspot

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



10.4309, 0.3745, 0.2275



38.9070, 0.3260, 0.2974



6.8176, 0.2264, 0.1448



8.2449, 0.3281, 0.2930



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.



10.4309, 0.3745, 0.2275



15.3022, 0.3947, 0.2145



9.5650, 0.4776, 0.3044



5.8766, 0.3185, 0.3144



6.1467, 0.4244, 0.2111



0.0807, 0.3683, 0.1803

Inverse Universe

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



10.4309, 0.3745, 0.2275



15.3022, 0.3947, 0.2145



24.3258, 0.2482, 0.3607



5.8766, 0.3185, 0.3144



6.1467, 0.4244, 0.2111



0.0807, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 10.4304, 0.3745, 0.2275 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 10.4304, 0.3745, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

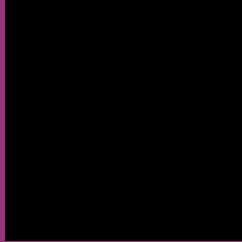
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.4304, 0.3745, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 10.4304, 0.3745, 0.2275.



This preview shows how white text looks on a background with the Yxy color 10.4304, 0.3745, 0.2275.

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

10.4304, 0.3745, 0.2275

Protanopia

10.7272, 0.2251, 0.2110

Deuteranopia

10.6782, 0.2809, 0.2763



Tritanopia

10.4624, 0.4583, 0.3210

Trichromacy



Original Color

10.4304, 0.3745, 0.2275

Protanomaly

9.7947, 0.2646, 0.2098

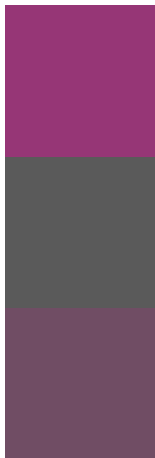
Deuteranomaly

9.9903, 0.3114, 0.2503

Tritanomaly

10.3529, 0.4277, 0.2853

Monochromacy



Original Color

10.4304, 0.3745, 0.2275

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.6726, 0.3361, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.4304, 0.3745, 0.2275 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(150, 54, 118)` looks like.

```
.text, #text, p{  
    color:rgb(150, 54, 118)  
}
```

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(150, 54, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 54, 118) }
```

Border

The CSS property to change the border of an element to Yxy 10.4304, 0.3745, 0.2275 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(150, 54, 118) }
```

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

```
.border{ border-color:rgb(150, 54, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 54, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 54, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 54, 118);  
box-shadow:4px 4px 4px 4px rgb(150, 54,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 10.4304, 0.3745, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 54, 118) }
```

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

```
.background{ background-color: rgb(150, 54,  
118) }
```

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