

Converting Colors

$Y_{xy}(16.3096, 0.3951, 0.2740)$

Have a look what the booklet for
Yxy(16.3096, 0.3951, 0.2740)
contains.

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Color

Yxy(16.3132, 0.3950, 0.2742)

Conversions

Conversions Part 1

Format	Color
Hex	AC5378
RGB	172, 83, 120
RGB Percent	67%, 33%, 47%
CMY	0.3254, 0.6746, 0.5294
CMYK	0.00, 0.52, 0.30, 0.33
HSL	335°, 35%, 50%
HSV	335°, 52%, 67%
XYZ	23.5001, 16.3132, 19.6805
YIQ	113.8290, 41.1670, 30.3750

Conversions

Conversions Part 2

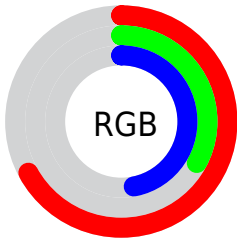
Format	Color
R_{YB}	172, 83, 120
Decimal	11293560
CIE _{Lab}	47.38, 40.62, -3.80
CIE _{LCh}	47, 40.796, 354.655
Yxy	16.3132, 0.3950, 0.2742
Android (android.graphics.Color)	4289483640 (0xFFAC5378)
YUV	113.8290, 3.0423, 51.0160
Hunter-Lab	40.3896, 33.1756, -0.6174

Details

The Yxy color **16.3132, 0.3950, 0.2742** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **33.1006, 0.2705, 0.3945**, and the grayscale version is **16.7546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1295, 0.3764, 0.2867**, and **5.2298, 0.4306, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **13.7694, 0.4203, 0.2659**, and if you desaturate by 10%, it is **19.5372, 0.3729, 0.2843**.

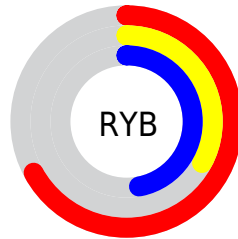
Distribution



Red (67%)

Green (33%)

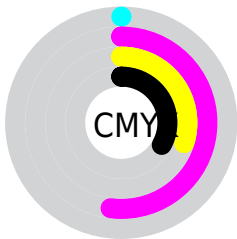
Blue (47%)



Red (67%)

Yellow (33%)

Blue (47%)

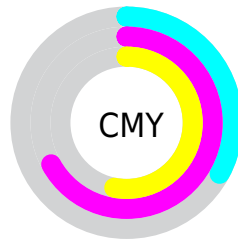


Cyan (0%)

Magenta (52%)

Yellow (30%)

Black (33%)



Cyan (33%)


Magenta (67%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3132, 0.3950, 0.2742 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 16.3132, 0.3950, 0.2742 by changing the saturation by 10% instead.


 16.3132, 0.3950,
0.2742


 16.3132, 0.3950,
0.2742


231.1828, 0.3473,
0.3055

 9.7461, 0.4098,
0.2647


 37.1411, 0.3757,
0.2867


 5.2309, 0.4310,
0.2514

 52.1706, 0.3691,
0.2910

 2.3834, 0.4636,
0.2313

 70.7897, 0.3637,
0.2946

 0.8173, 0.5198,
0.1976

 93.3828, 0.3593,
0.2975

 0.0000, 1.0000,
0.0000

 120.3343, 0.3556,
0.3000

 0.0000, 0.0000,
0.0000

152.0285, 0.3524,

0.3021

188.8499, 0.3497,
0.3039

■ 16.3132, 0.3950,
0.2742

■ 16.3132, 0.3950,
0.2742

■ 13.7694, 0.4203,
0.2659

■ 19.5372, 0.3729,
0.2843

■ 11.8533, 0.4483,
0.2606

■ 23.4840, 0.3541,
0.2952

■ 10.5087, 0.4778,
0.2594

■ 28.1953, 0.3383,
0.3063

■ 9.6682, 0.5070,
0.2633

■ 33.7090, 0.3252,
0.3170

■ 9.2345, 0.5301,
0.2694

■ 40.0607, 0.3144,
0.3273

■ 47.2835, 0.3055,
0.3368

■ 55.4090, 0.2982,
0.3456

■ 64.4670, 0.2922,
0.3537

■ 74.4860, 0.2872,
0.3612

Harmonies

Analogous

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



16.3132, 0.3121, 0.2326



16.3132, 0.3950, 0.2742



16.3132, 0.4569, 0.3281

Triad

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



16.3132, 0.3950, 0.2742



16.3132, 0.3736, 0.4767



16.3132, 0.1750, 0.2414

Complementary

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



16.3132, 0.3950, 0.2742



33.1006, 0.2705, 0.3945

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.



16.3132, 0.1863, 0.3035



16.3132, 0.3950, 0.2742



16.3132, 0.2969, 0.4611

Square

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



16.3132, 0.3950, 0.2742



16.3132, 0.4382, 0.4423



16.3132, 0.2286, 0.3898



16.3132, 0.1930, 0.2118

Rectangle

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



16.3132, 0.3950, 0.2742



16.3132, 0.4724, 0.3672



16.3132, 0.2286, 0.3898



16.3132, 0.1754, 0.2585

Sweetspot

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



16.3140, 0.3950, 0.2742



56.4220, 0.3308, 0.3122



14.3089, 0.2716, 0.1894



11.8351, 0.3334, 0.3101



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.3140, 0.3950, 0.2742



24.4378, 0.4240, 0.2650



16.7788, 0.4518, 0.3404



8.0685, 0.3224, 0.3196



6.8807, 0.5275, 0.2680



0.2025, 0.4501, 0.2253

Inverse Universe

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



16.3140, 0.3950, 0.2742



24.4378, 0.4240, 0.2650



31.5843, 0.2444, 0.3164



8.0685, 0.3224, 0.3196



6.8807, 0.5275, 0.2680



0.2025, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 16.3132, 0.3950, 0.2742 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 16.3132, 0.3950, 0.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

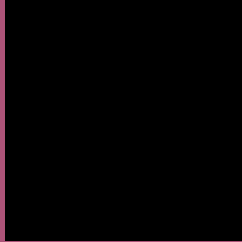
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3132, 0.3950, 0.2742

Background



This preview shows how black text looks on a background with the Yxy color 16.3132, 0.3950, 0.2742.



This preview shows how white text looks on a background with the Yxy color 16.3132, 0.3950, 0.2742.

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

16.3132, 0.3950, 0.2742

Protanopia

16.5491, 0.2770, 0.2788

Deuteranopia

16.4092, 0.3228, 0.3155



Tritanopia

16.3336, 0.4331, 0.3203

Trichromacy



Original Color

16.3132, 0.3950, 0.2742

Protanomaly

15.7713, 0.3153, 0.2746

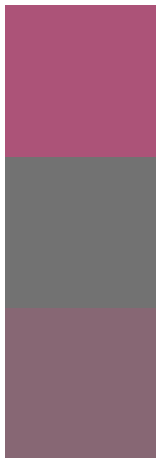
Deuteranomaly

16.0614, 0.3488, 0.2988

Tritanomaly

16.2928, 0.4207, 0.3037

Monochromacy



Original Color

16.3132, 0.3950, 0.2742

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.1123, 0.3409, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3132, 0.3950, 0.2742 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(172, 83, 120)` looks like.

```
.text, #text, p{  
    color:rgb(172, 83, 120)  
}
```

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(172, 83, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 83, 120) }
```

Border

The CSS property to change the border of an element to Yxy 16.3132, 0.3950, 0.2742 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(172, 83, 120) }
```

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

```
.border{ border-color:rgb(172, 83, 120) }
```

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

Here you see how a box with a 4 pixel rgb(172, 83, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 83, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 83, 120);  
box-shadow:4px 4px 4px 4px rgb(172, 83,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3132, 0.3950, 0.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 83, 120) }
```

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

```
.background{ background-color: rgb(172, 83,  
120) }
```

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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