

Converting Colors

$Y_{xy}(12.7880, 0.4568, 0.2807)$

Have a look what the booklet for
Yxy(12.7880, 0.4568, 0.2807)
contains.

Yxy(12.8203, 0.4565, 0.2811)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.8203, 0.4565, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	AD3B5E
RGB	173, 59, 94
RGB Percent	68%, 23%, 37%
CMY	0.3215, 0.7687, 0.6314
CMYK	0.00, 0.66, 0.46, 0.32
HSL	342°, 49%, 45%
HSV	342°, 66%, 68%
XYZ	20.8199, 12.8203, 11.9674
YIQ	97.0760, 56.7090, 35.0530

Conversions

Conversions Part 2

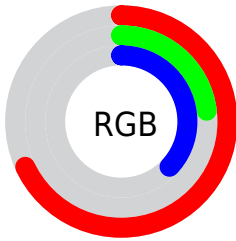
Format	Color
R_{YB}	173, 59, 94
Decimal	11352926
CIE _{Lab}	42.49, 49.29, 5.04
CIE _{LCh}	42, 49.545, 5.844
Yxy	12.8203, 0.4565, 0.2811
Android (android.graphics.Color)	4289543006 (0xFFAD3B5E)
YUV	97.0760, -1.5165, 66.5853
Hunter-Lab	35.8054, 41.1333, 5.2470

Details

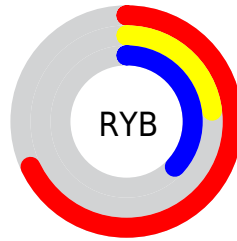
The Yxy color **12.8203, 0.4565, 0.2811** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **32.6561, 0.2564, 0.3924**, and the grayscale version is **11.9667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9797, 0.4202, 0.2944**, and **3.9264, 0.5224, 0.2651** is the 20% darker color. If you saturate the color by 10%, you get **11.1291, 0.4918, 0.2796**, and if you desaturate by 10%, it is **15.1355, 0.4238, 0.2858**.

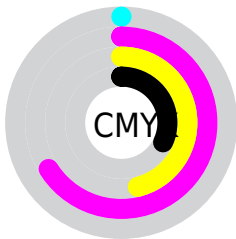
Distribution



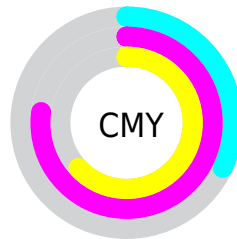
- Red (68%)
- Green (23%)
- Blue (37%)



- Red (68%)
- Yellow (23%)
- Blue (37%)



- Cyan (0%)
- Magenta (66%)
- Yellow (46%)
- Black (32%)





- Cyan (32%)
- Magenta (77%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8203, 0.4565, 0.2811 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 12.8203, 0.4565, 0.2811 by changing the saturation by 10% instead.


 12.8203, 0.4565,
0.2811


 12.8203, 0.4565,
0.2811

209.7628, 0.3695,
0.3112


 7.3049, 0.4852,
0.2705


 30.9806, 0.4203,
0.2940


 3.6535, 0.5274,
0.2543

 44.3942, 0.4082,
0.2982

 1.4817, 0.5941,
0.2272

 61.2095, 0.3985,
0.3016

 0.2758, 0.8554,
0.1446

 81.8107, 0.3906,
0.3042

 0.0000, 1.0000,
0.0000

 106.5822, 0.3840,
0.3064

 0.0000, 0.0000,
0.0000

135.9084, 0.3784,

0.3083

170.1738, 0.3737,
0.3099

■ 12.8203, 0.4565,
0.2811

■ 12.8203, 0.4565,
0.2811

■ 11.1291, 0.4918,
0.2796

■ 15.1355, 0.4238,
0.2858

■ 9.9976, 0.5273,
0.2823

■ 18.1268, 0.3951,
0.2926

■ 9.3453, 0.5600,
0.2895

■ 21.8428, 0.3706,
0.3005

■ 9.1437, 0.5726,
0.2928

■ 26.3273, 0.3502,
0.3088

■ 31.6206, 0.3334,
0.3169

■ 37.7599, 0.3196,
0.3247

■ 44.7804, 0.3084,
0.3319

■ 52.7151, 0.2992,
0.3386

■ 61.5953, 0.2917,
0.3448

Harmonies

Analogous

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



12.8203, 0.3507, 0.2250



12.8203, 0.4565, 0.2811



12.8203, 0.5152, 0.3479

Triad

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



12.8203, 0.4565, 0.2811



12.8203, 0.3474, 0.5275



12.8203, 0.1465, 0.1982

Complementary

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



12.8203, 0.4565, 0.2811



32.6561, 0.2564, 0.3924

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.



12.8203, 0.1452, 0.2571



12.8203, 0.4565, 0.2811



12.8203, 0.2525, 0.4806

Square

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



12.8203, 0.4565, 0.2811



12.8203, 0.4385, 0.4902



12.8203, 0.1796, 0.3629



12.8203, 0.1801, 0.1785

Rectangle

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



12.8203, 0.4565, 0.2811



12.8203, 0.5145, 0.3955



12.8203, 0.1796, 0.3629



12.8203, 0.1424, 0.2128

Sweetspot

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



12.8210, 0.4565, 0.2811



52.2240, 0.3404, 0.3133



11.4552, 0.2711, 0.1600



10.7977, 0.3451, 0.3111



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.



12.8210, 0.4565, 0.2811



18.9048, 0.5078, 0.2802



14.9235, 0.5006, 0.3577



8.0543, 0.3240, 0.3221



6.7256, 0.5698, 0.2912



0.1970, 0.4839, 0.2439

Inverse Universe

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



12.8210, 0.4565, 0.2811



18.9048, 0.5078, 0.2802



26.4387, 0.2273, 0.2918



8.0543, 0.3240, 0.3221



6.7256, 0.5698, 0.2912



0.1970, 0.4839, 0.2439

Previews

White Background



This preview shows how the Yxy color 12.8203, 0.4565, 0.2811 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 12.8203, 0.4565, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

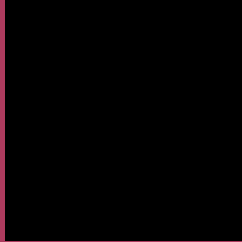
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8203, 0.4565, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 12.8203, 0.4565, 0.2811.



This preview shows how white text looks on a background with the Yxy color 12.8203, 0.4565, 0.2811.

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

12.8203, 0.4565, 0.2811

Protanopia

13.0190, 0.2868, 0.2902

Deuteranopia

12.8988, 0.3539, 0.3483



Tritanopia

12.7421, 0.5005, 0.3242

Trichromacy



Original Color

12.8203, 0.4565, 0.2811

Protanomaly

11.9611, 0.3409, 0.2818

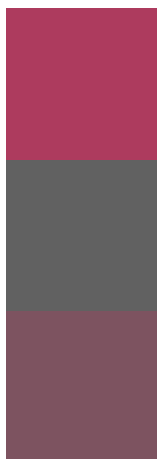
Deuteranomaly

12.1589, 0.3923, 0.3160

Tritanomaly

12.7517, 0.4867, 0.3091

Monochromacy



Original Color

12.8203, 0.4565, 0.2811

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.3910, 0.3634, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8203, 0.4565, 0.2811 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(173, 59, 94)` looks like.

```
.text, #text, p{  
    color:rgb(173, 59, 94)  
}
```

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(173, 59, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 59, 94) }
```

Border

The CSS property to change the border of an element to Yxy 12.8203, 0.4565, 0.2811 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(173, 59, 94) }
```

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

```
.border{ border-color:rgb(173, 59, 94) }
```

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

Here you see how a box with a 4 pixel rgb(173, 59, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 59, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 59, 94);  
box-shadow:4px 4px 4px 4px rgb(173, 59,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8203, 0.4565, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 59, 94) }
```

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

```
.background{ background-color: rgb(173, 59,  
94) }
```

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