

Converting Colors

$Y_{xy}(12.6824, 0.5679, 0.3824)$

Have a look what the booklet for
Yxy(12.6824, 0.5679, 0.3824)
contains.

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Color

Yxy(12.6876, 0.5677, 0.3823)

Conversions

Conversions Part 1

Format	Color
Hex	AB4307
RGB	171, 67, 7
RGB Percent	67%, 26%, 3%
CMY	0.3294, 0.7372, 0.9722
CMYK	0.00, 0.61, 0.96, 0.33
HSL	22°, 92%, 35%
HSV	22°, 96%, 67%
XYZ	18.8406, 12.6876, 1.6594
YIQ	91.2560, 81.2440, 3.3880

Conversions

Conversions Part 2

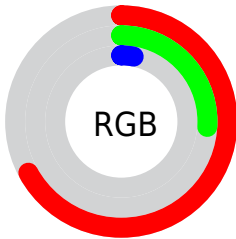
Format	Color
RYB	171, 102, 7
Decimal	11223815
CIELab	42.29, 40.29, 50.91
CIElCh	42, 64.925, 51.644
Yxy	12.6876, 0.5677, 0.3823
Android (android.graphics.Color)	4289413895 (0xFFAB4307)
YUV	91.2560, -41.5382, 69.9355
Hunter-Lab	35.6197, 32.0809, 22.1717

Details

The Yxy color **12.6876, 0.5677, 0.3823** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **14.3729, 0.1928, 0.2110**, and the grayscale version is **10.6086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8435, 0.5132, 0.3859**, and **3.6425, 0.6261, 0.3411** is the 20% darker color. If you saturate the color by 10%, you get **12.1587, 0.5782, 0.3791**, and if you desaturate by 10%, it is **14.1527, 0.5406, 0.3888**.

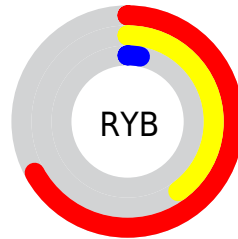
Distribution



Red (67%)

Green (26%)

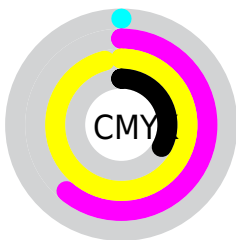
Blue (3%)



Red (67%)

Yellow (40%)

Blue (3%)

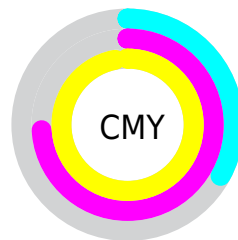


Cyan (0%)

Magenta (61%)

Yellow (96%)

Black (33%)



Cyan (33%)


Magenta (74%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6876, 0.5677, 0.3823 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 12.6876, 0.5677, 0.3823 by changing the saturation by 10% instead.


 12.6876, 0.5677,
0.3823


 12.6876, 0.5677,
0.3823


 208.9057, 0.4227,
0.3702

 7.2138, 0.6071,
0.3756


 30.7414, 0.5135,
0.3852


 3.5962, 0.6467,
0.3533

 44.0902, 0.4932,
0.3837


 1.4503, 0.6912,
0.3088

 60.8327, 0.4762,
0.3815

 0.2534, 0.8353,
0.1647

 81.3534, 0.4620,
0.3792

 0.0000, 1.0000,
0.0000

 106.0366, 0.4499,
0.3768

 0.0000, 0.0000,
0.0000


 135.2669, 0.4395,


0.3745


 169.4284, 0.4305,
0.3723


 12.6876, 0.5677,
0.3823


 12.6876, 0.5677,
0.3823


 12.1587, 0.5782,
0.3791

 14.1527, 0.5406,
0.3888

 15.9155, 0.5089,
0.3904

 17.9960, 0.4755,
0.3875

 20.4113, 0.4426,
0.3812

 23.1767, 0.4120,
0.3727

■ 26.3065, 0.3846,
0.3632

■ 29.8143, 0.3605,
0.3533

■ 33.7127, 0.3397,
0.3435

■ 38.0139, 0.3219,
0.3342

Harmonies

Analogous

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



12.6876, 0.5504, 0.3036



12.6876, 0.5677, 0.3823



12.6876, 0.5033, 0.4741

Triad

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



12.6876, 0.5677, 0.3823



12.6876, 0.1780, 0.4541



12.6876, 0.1861, 0.1490

Complementary

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



12.6876, 0.5677, 0.3823



14.3729, 0.1928, 0.2110

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.



12.6876, 0.1276, 0.1505



12.6876, 0.5677, 0.3823



12.6876, 0.1197, 0.2870

Square

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



12.6876, 0.5677, 0.3823



12.6876, 0.2808, 0.5828



12.6876, 0.1064, 0.1892



12.6876, 0.2928, 0.1771

Rectangle

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



12.6876, 0.5677, 0.3823



12.6876, 0.4350, 0.5374



12.6876, 0.1064, 0.1892



12.6876, 0.1617, 0.1461

Sweetspot

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



12.6883, 0.5677, 0.3823



51.0184, 0.3689, 0.3569



10.0183, 0.4268, 0.2150



10.8006, 0.3790, 0.3610



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.



12.6883, 0.5677, 0.3823



21.4051, 0.5812, 0.3767



29.3588, 0.4457, 0.4815



8.4768, 0.3278, 0.3373



9.2588, 0.5764, 0.3805



0.3637, 0.5192, 0.4260

Inverse Universe

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



14.3729, 0.1928, 0.2110



24.2431, 0.1898, 0.2031



4.0016, 0.1563, 0.0787



8.5722, 0.2986, 0.3205



10.4829, 0.1908, 0.2067



0.3910, 0.2022, 0.2480

Previews

White Background



This preview shows how the Yxy color 12.6876, 0.5677, 0.3823 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 12.6876, 0.5677, 0.3823 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 12.6876, 0.5677, 0.3823

Background



This preview shows how black text looks on a background with the Yxy color 12.6876, 0.5677, 0.3823.



This preview shows how white text looks on a background with the Yxy color 12.6876, 0.5677, 0.3823.

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

12.6876, 0.5677, 0.3823

Protanopia

12.8651, 0.4300, 0.4776

Deuteranopia

12.8778, 0.4684, 0.4663



Tritanopia

12.6093, 0.5072, 0.3243

Trichromacy



Original Color

12.6876, 0.5677, 0.3823

Protanomaly

12.2476, 0.4845, 0.4399

Deuteranomaly

12.3432, 0.5096, 0.4310

Tritanomaly

12.6269, 0.5389, 0.3522

Monochromacy



Original Color

12.6876, 0.5677, 0.3823

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3539, 0.4196, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6876, 0.5677, 0.3823 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(171, 67, 7)` looks like.

```
.text, #text, p{  
    color:rgb(171, 67, 7)  
}
```

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(171, 67, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 67, 7) }
```

Border

The CSS property to change the border of an element to Yxy 12.6876, 0.5677, 0.3823 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(171, 67, 7) }
```

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

```
.border{ border-color:rgb(171, 67, 7) }
```

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

Here you see how a box with a 4 pixel rgb(171, 67, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 67, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 67, 7);  
box-shadow:4px 4px 4px 4px rgb(171, 67, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6876, 0.5677, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 67, 7) }
```

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

```
.background{ background-color: rgb(171, 67,  
7) }
```

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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