

Converting Colors

$Y_{xy}(10.3722, 0.4784, 0.2572)$

Have a look what the booklet for
Yxy(10.3722, 0.4784, 0.2572)
contains.

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Color

Yxy(10.3876, 0.4783, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	AC1D5A
RGB	172, 29, 90
RGB Percent	67%, 11%, 35%
CMY	0.3256, 0.8860, 0.6471
CMYK	0.00, 0.83, 0.48, 0.33
HSL	334°, 71%, 39%
HSV	334°, 83%, 67%
XYZ	19.2947, 10.3876, 10.6579
YIQ	78.7110, 65.6470, 49.2870

Conversions

Conversions Part 2

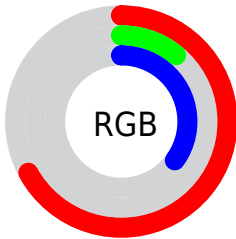
Format	Color
RYB	172, 29, 90
Decimal	11279706
CIELab	38.53, 58.82, 1.84
CIELCh	39, 58.846, 1.795
Yxy	10.3876, 0.4783, 0.2575
Android (android.graphics.Color)	4289469786 (0xFFAC1D5A)
YUV	78.7110, 5.5655, 81.8145
Hunter-Lab	32.2298, 50.4588, 2.9546

Details

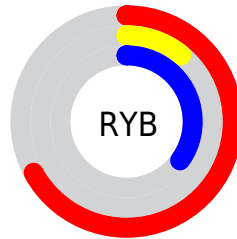
The Yxy color **10.3876, 0.4783, 0.2575** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **30.9091, 0.2624, 0.4473**, and the grayscale version is **7.7459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5314, 0.4349, 0.2763**, and **3.7669, 0.5295, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **9.6092, 0.5067, 0.2619**, and if you desaturate by 10%, it is **11.6600, 0.4494, 0.2582**.

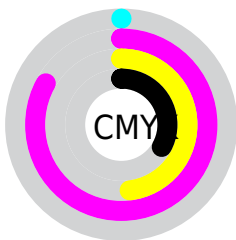
Distribution



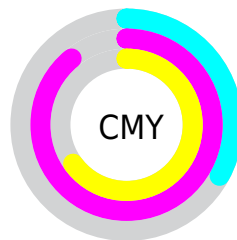
- Red (67%)
- Green (11%)
- Blue (35%)



- Red (67%)
- Yellow (11%)
- Blue (35%)



- Cyan (0%)
- Magenta (83%)
- Yellow (48%)
- Black (33%)




- Cyan (33%)
- Magenta (89%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3876, 0.4783, 0.2575 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 10.3876, 0.4783, 0.2575 by changing the saturation by 10% instead.


 10.3876, 0.4783,
0.2575


 10.3876, 0.4783,
0.2575


193.4165, 0.3763,
0.3020


 5.6567, 0.5130,
0.2420

 26.5220, 0.4352,
0.2765


 2.6375, 0.5646,
0.2187

 38.6943, 0.4210,
0.2827


 0.9455, 0.6474,
0.1807

 54.1159, 0.4097,
0.2876

 0.0000, 1.0000,
0.0000

 73.1711, 0.4005,
0.2916

 0.0000, 0.0000,
0.0000

 96.2444, 0.3929,
0.2949

 123.7201, 0.3865,

0.2977

155.9827, 0.3810,
0.3000

■ 10.3876, 0.4783,
0.2575

■ 10.3876, 0.4783,
0.2575

■ 9.6092, 0.5067,
0.2619

■ 11.6600, 0.4494,
0.2582

■ 9.2538, 0.5257,
0.2670

■ 13.4940, 0.4217,
0.2633

■ 15.9482, 0.3966,
0.2716

■ 19.0734, 0.3745,
0.2817

■ 22.9150, 0.3556,
0.2928

■ 27.5145, 0.3398,
0.3042

■ 32.9101, 0.3266,
0.3153

■ 39.1376, 0.3157,
0.3259

■ 46.2304, 0.3067,
0.3357

Harmonies

Analogous

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



10.3876, 0.3391, 0.1962



10.3876, 0.4783, 0.2575



10.3876, 0.5608, 0.3308

Triad

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



10.3876, 0.4783, 0.2575



10.3876, 0.3587, 0.5769



10.3876, 0.1139, 0.1749

Complementary

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



10.3876, 0.4783, 0.2575



30.9091, 0.2624, 0.4473

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.



10.3876, 0.1152, 0.2485



10.3876, 0.4783, 0.2575



10.3876, 0.2458, 0.5464

Square

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



10.3876, 0.4783, 0.2575



10.3876, 0.4689, 0.5052



10.3876, 0.1568, 0.3914



10.3876, 0.1463, 0.1504

Rectangle

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



10.3876, 0.4783, 0.2575



10.3876, 0.5616, 0.3836



10.3876, 0.1568, 0.3914



10.3876, 0.1106, 0.1927

Sweetspot

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



10.3882, 0.4783, 0.2575



47.8428, 0.3433, 0.3015



7.1776, 0.2342, 0.1174



9.7721, 0.3485, 0.2977



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.



10.3882, 0.4783, 0.2575



16.7496, 0.5300, 0.2693



10.2817, 0.5897, 0.3379



8.0699, 0.3222, 0.3194



6.8985, 0.5232, 0.2656



0.2030, 0.4471, 0.2237

Inverse Universe

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



10.3882, 0.4783, 0.2575



16.7496, 0.5300, 0.2693



29.2407, 0.2235, 0.3119



8.0699, 0.3222, 0.3194



6.8985, 0.5232, 0.2656



0.2030, 0.4471, 0.2237

Previews

White Background



This preview shows how the Yxy color 10.3876, 0.4783, 0.2575 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 10.3876, 0.4783, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

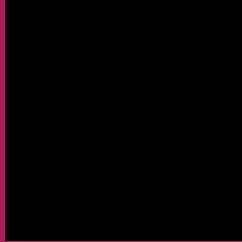
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3876, 0.4783, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 10.3876, 0.4783, 0.2575.



This preview shows how white text looks on a background with the Yxy color 10.3876, 0.4783, 0.2575.

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

10.3876, 0.4783, 0.2575

Protanopia

10.8018, 0.2577, 0.2529

Deuteranopia

10.7123, 0.3471, 0.3430



Tritanopia

10.4633, 0.5610, 0.3276

Trichromacy



Original Color

10.3876, 0.4783, 0.2575

Protanomaly

8.9489, 0.3222, 0.2391

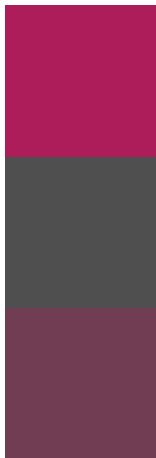
Deuteranomaly

9.3533, 0.3977, 0.2920

Tritanomaly

10.3811, 0.5365, 0.3039

Monochromacy



Original Color

10.3876, 0.4783, 0.2575

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

7.4727, 0.3773, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3876, 0.4783, 0.2575 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, 29, 90)` looks like.

```
.text, #text, p{  
    color:rgb(172, 29, 90)  
}
```

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, 29, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 29, 90) }
```

Border

The CSS property to change the border of an element to Yxy 10.3876, 0.4783, 0.2575 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, 29, 90) }
```

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

```
.border{ border-color:rgb(172, 29, 90) }
```

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

Here you see how a box with a 4 pixel rgb(172, 29, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 29, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 29, 90);  
box-shadow:4px 4px 4px 4px rgb(172, 29,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3876, 0.4783, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 29, 90) }
```

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

```
.background{ background-color: rgb(172, 29,  
90) }
```

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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