

Converting Colors

$Y_{xy}(12.4731, 0.5921, 0.3129)$

Have a look what the booklet for
Yxy(12.4731, 0.5921, 0.3129)
contains.

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Color

Yxy(12.4333, 0.5923, 0.3133)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | C4142E |
| RGB | 196, 20, 46 |
| RGB Percent | 77%, 8%, 18% |
| CMY | 0.2314, 0.9213, 0.8196 |
| CMYK | 0.00, 0.90, 0.77, 0.23 |
| HSL | 351°, 81%, 42% |
| HSV | 351°, 90%, 77% |
| XYZ | 23.5054, 12.4333, 3.7463 |
| YIQ | 75.5880, 96.5500, 45.3980 |

Conversions

Conversions Part 2

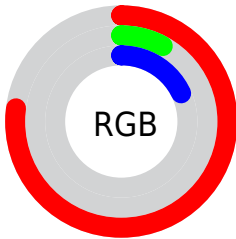
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 196, 20, 46 |
| Decimal | 12850222 |
| CIE Lab | 41.90, 64.29, 34.77 |
| CIE LCh | 42, 73.090, 28.408 |
| Yxy | 12.4333, 0.5923, 0.3133 |
| Android (android.graphics.Color) | 4291040302 (0xFFC4142E) |
| YUV | 75.5880, -14.5869, 105.6013 |
| Hunter-Lab | 35.2609, 57.2841, 18.3834 |

Details

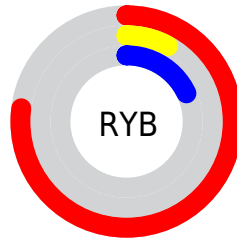
The Yxy color **12.4333, 0.5923, 0.3133** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **42.5268, 0.2380, 0.3709**, and the grayscale version is **7.1700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3450, 0.5233, 0.3279**, and **4.9865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.8343, 0.6201, 0.3192**, and if you desaturate by 10%, it is **13.5853, 0.5547, 0.3089**.

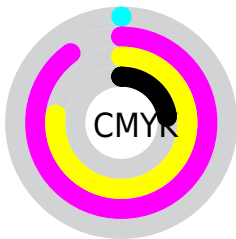
Distribution



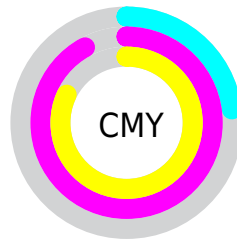
- Red (77%)
- Green (8%)
- Blue (18%)



- Red (77%)
- Yellow (8%)
- Blue (18%)



- Cyan (0%)
- Magenta (90%)
- Yellow (77%)
- Black (23%)




- Cyan (23%)
- Magenta (92%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4333, 0.5923, 0.3133 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 12.4333, 0.5923, 0.3133 by changing the saturation by 10% instead.


 12.4333, 0.5923,
0.3133

 12.4333, 0.5923,
0.3133


207.2531, 0.4270,
0.3368


 7.0395, 0.6390,
0.2981


 30.2819, 0.5270,
0.3278


 3.4868, 0.7082,
0.2753

 43.5054, 0.5038,
0.3312


 1.3909, 0.7745,
0.2255

 60.1076, 0.4849,
0.3334

 0.2100, 0.9111,
0.0889

 80.4730, 0.4693,
0.3348

 0.0000, 1.0000,
0.0000

 104.9858, 0.4561,
0.3357

 0.0000, 0.0000,
0.0000

 134.0305, 0.4450,

0.3363

167.9915, 0.4354,
0.3366

■ 12.4333, 0.5923,
0.3133

■ 12.4333, 0.5923,
0.3133

■ 11.8343, 0.6201,
0.3192

■ 13.5853, 0.5547,
0.3089

■ 11.8218, 0.6206,
0.3193

■ 15.4608, 0.5119,
0.3072

■ 18.1546, 0.4692,
0.3079

■ 21.7466, 0.4302,
0.3103

■ 26.3072, 0.3965,
0.3138

■ 31.8996, 0.3686,
0.3177

■ 38.5820, 0.3457,
0.3216

■ 46.4078, 0.3273,
0.3255

■ 55.4273, 0.3124,
0.3291

Harmonies

Analogous

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



12.4333, 0.4878, 0.2375



12.4333, 0.5923, 0.3133



12.4333, 0.5800, 0.3977

Triad

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



12.4333, 0.5923, 0.3133



12.4333, 0.2425, 0.6036



12.4333, 0.1223, 0.1319

Complementary

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



12.4333, 0.5923, 0.3133



42.5268, 0.2380, 0.3709

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.



12.4333, 0.0924, 0.1603



12.4333, 0.5923, 0.3133



12.4333, 0.1425, 0.4237

Square

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



12.4333, 0.5923, 0.3133



12.4333, 0.3671, 0.6058



12.4333, 0.0958, 0.2464



12.4333, 0.1941, 0.1380

Rectangle

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



12.4333, 0.5923, 0.3133



12.4333, 0.5293, 0.4691



12.4333, 0.0958, 0.2464



12.4333, 0.1084, 0.1369

Sweetspot

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



12.4341, 0.5923, 0.3133



60.4401, 0.3628, 0.3186



12.9893, 0.2871, 0.1397



12.1037, 0.3715, 0.3172



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.4341, 0.5923, 0.3133



21.3973, 0.6233, 0.3207



17.7658, 0.5580, 0.3831



10.1015, 0.3266, 0.3256



7.6054, 0.6180, 0.3178



0.3365, 0.5651, 0.2887

Inverse Universe

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



12.4341, 0.5923, 0.3133



21.3973, 0.6233, 0.3207



21.3002, 0.1973, 0.2231



10.1015, 0.3266, 0.3256



7.6054, 0.6180, 0.3178



0.3365, 0.5651, 0.2887

Previews

White Background



This preview shows how the Yxy color 12.4333, 0.5923, 0.3133 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 12.4333, 0.5923, 0.3133 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 12.4333, 0.5923, 0.3133

Background



This preview shows how black text looks on a background with the Yxy color 12.4333, 0.5923, 0.3133.



This preview shows how white text looks on a background with the Yxy color 12.4333, 0.5923, 0.3133.

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

12.4333, 0.5923, 0.3133

Protanopia

12.7952, 0.3707, 0.3973

Deuteranopia

12.6599, 0.4461, 0.4399



Tritanopia

12.5325, 0.6165, 0.3319

Trichromacy



Original Color

12.4333, 0.5923, 0.3133

Protanomaly

10.5061, 0.4649, 0.3469

Deuteranomaly

10.8535, 0.5205, 0.3722

Tritanomaly

12.4880, 0.6093, 0.3260

Monochromacy



Original Color

12.4333, 0.5923, 0.3133

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.2031, 0.4364, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4333, 0.5923, 0.3133 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(196, 20, 46)` looks like.

```
.text, #text, p{  
    color:rgb(196, 20, 46)  
}
```

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(196, 20, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 20, 46) }
```

Border

The CSS property to change the border of an element to Yxy 12.4333, 0.5923, 0.3133 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(196, 20, 46) }
```

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

```
.border{ border-color:rgb(196, 20, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 20, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 20, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 20, 46);  
box-shadow:4px 4px 4px 4px rgb(196, 20,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4333, 0.5923, 0.3133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 20, 46) }
```

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

```
.background{ background-color: rgb(196, 20,  
46) }
```

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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