

Converting Colors

$Yxy(10.3418, 0.6313, 0.2762)$

Have a look what the booklet for
Yxy(10.3418, 0.6313, 0.2762)
contains.

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Color

Yxy(12.7618, 0.5997, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	CA002F
RGB	202, 0, 47
RGB Percent	79%, 0%, 18%
CMY	0.2078, 1.0000, 0.8157
CMYK	0.00, 1.00, 0.77, 0.21
HSL	346°, 100%, 40%
HSV	346°, 100%, 79%
XYZ	24.8724, 12.7618, 3.8406
YIQ	65.7560, 105.3050, 57.4410

Conversions

Conversions Part 2

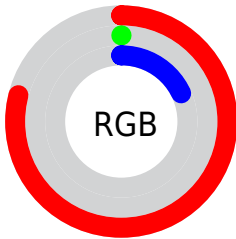
Format	Color
RYB	202, 0, 47
Decimal	13238319
CIELab	42.40, 68.08, 35.10
CIElCh	42, 76.597, 27.276
Yxy	12.7618, 0.5997, 0.3077
Android (android.graphics.Color)	4291428399 (0xFFCA002F)
YUV	65.7560, -9.2467, 119.4860
Hunter-Lab	35.7237, 61.7634, 18.6324

Details

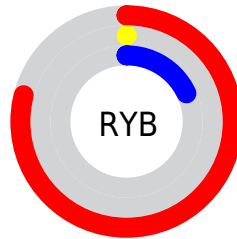
The Yxy color **12.7618, 0.5997, 0.3077** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **44.6136, 0.2461, 0.4061**, and the grayscale version is **5.4109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5473, 0.5254, 0.3228**, and **5.4934, 0.6379, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **12.7633, 0.5997, 0.3077**, and if you desaturate by 10%, it is **13.4188, 0.5692, 0.2996**.

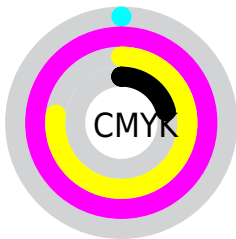
Distribution



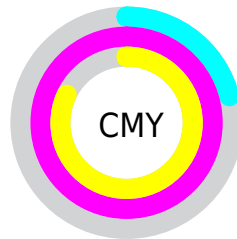
- Red (79%)
- Green (0%)
- Blue (18%)



- Red (79%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7618, 0.5997, 0.3077 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 12.7618, 0.5997, 0.3077 by changing the saturation by 10% instead.


 12.7618, 0.5997,
0.3077


 12.7618, 0.5997,
0.3077


209.3854, 0.4310,
0.3348


 7.2647, 0.6467,
0.2916


 30.8752, 0.5334,
0.3236

 3.6282, 0.7144,
0.2674

 44.2603, 0.5098,
0.3276

 1.4678, 0.7817,
0.2183

 61.0435, 0.4905,
0.3302

 0.2659, 0.9015,
0.0985

 81.6093, 0.4745,
0.3319

 0.0000, 1.0000,
0.0000

 106.3419, 0.4610,
0.3331

 0.0000, 0.0000,
0.0000

 135.6259, 0.4495,

0.3339

169.8456, 0.4396,
0.3345

■ 12.7618, 0.5997,
0.3077

■ 12.7618, 0.5997,
0.3077

■ 12.7633, 0.5997,
0.3077

■ 13.4188, 0.5692,
0.2996

■ 14.6530, 0.5323,
0.2942

■ 16.6526, 0.4925,
0.2928

■ 19.5181, 0.4538,
0.2948

■ 23.3345, 0.4188,
0.2990

■ 28.1767, 0.3888,
0.3047

■ 34.1120, 0.3637,
0.3109

■ 41.2018, 0.3431,
0.3172

■ 49.5032, 0.3263,
0.3233

Harmonies

Analogous

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



12.7618, 0.4880, 0.2316



12.7618, 0.5997, 0.3077



12.7618, 0.5890, 0.3924

Triad

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



12.7618, 0.5997, 0.3077



12.7618, 0.2426, 0.6197



12.7618, 0.1160, 0.1275

Complementary

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



12.7618, 0.5997, 0.3077



44.6136, 0.2461, 0.4061

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.



12.7618, 0.0872, 0.1573



12.7618, 0.5997, 0.3077



12.7618, 0.1396, 0.4356

Square

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



12.7618, 0.5997, 0.3077



12.7618, 0.3709, 0.6123



12.7618, 0.0914, 0.2475



12.7618, 0.1867, 0.1327

Rectangle

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



12.7618, 0.5997, 0.3077



12.7618, 0.5359, 0.4641



12.7618, 0.0914, 0.2475



12.7618, 0.1025, 0.1328

Sweetspot

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



12.7633, 0.5997, 0.3077



57.2991, 0.3646, 0.3106



11.2210, 0.2621, 0.1218



11.3025, 0.3748, 0.3079



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.



12.7633, 0.5997, 0.3077



21.5791, 0.6027, 0.3094



15.1844, 0.6050, 0.3578



11.2557, 0.3254, 0.3236



8.2235, 0.5965, 0.3059



0.4363, 0.5398, 0.2747

Inverse Universe

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



12.7633, 0.5997, 0.3077



21.5791, 0.6027, 0.3094



25.4891, 0.1999, 0.2395



11.2557, 0.3254, 0.3236



8.2235, 0.5965, 0.3059



0.4363, 0.5398, 0.2747

Previews

White Background



This preview shows how the Yxy color 12.7618, 0.5997, 0.3077 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 12.7618, 0.5997, 0.3077 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 12.7618, 0.5997, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 12.7618, 0.5997, 0.3077.



This preview shows how white text looks on a background with the Yxy color 12.7618, 0.5997, 0.3077.

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

12.7618, 0.5997, 0.3077

Protanopia

13.3372, 0.3697, 0.3962

Deuteranopia

13.2599, 0.4467, 0.4394



Tritanopia

12.9397, 0.6282, 0.3332

Trichromacy



Original Color

12.7618, 0.5997, 0.3077

Protanomaly

10.0577, 0.4743, 0.3345

Deuteranomaly

10.5603, 0.5326, 0.3604

Tritanomaly

12.7672, 0.6230, 0.3262

Monochromacy



Original Color

12.7618, 0.5997, 0.3077

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.6165, 0.4556, 0.2946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7618, 0.5997, 0.3077 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(202, 0, 47)` looks like.

```
.text, #text, p{  
    color:rgb(202, 0, 47)  
}
```

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(202, 0, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 47) }
```

Border

The CSS property to change the border of an element to Yxy 12.7618, 0.5997, 0.3077 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(202, 0, 47) }
```

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

```
.border{ border-color:rgb(202, 0, 47) }
```

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

Here you see how a box with a 4 pixel rgb(202, 0, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(202, 0, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7618, 0.5997, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 47) }
```

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

```
.background{ background-color: rgb(202, 0,  
47) }
```

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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