

Converting Colors

$Y_{xy}(12.6373, 0.6083, 0.3125)$

Have a look what the booklet for
Yxy(12.6373, 0.6083, 0.3125)
contains.

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Color

Yxy(12.5776, 0.6076, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	C90029
RGB	201, 0, 41
RGB Percent	79%, 0%, 16%
CMY	0.2118, 0.9997, 0.8392
CMYK	0.00, 1.00, 0.80, 0.21
HSL	348°, 100%, 39%
HSV	348°, 100%, 79%
XYZ	24.4862, 12.5776, 3.2361
YIQ	64.7730, 106.6350, 55.3630

Conversions

Conversions Part 2

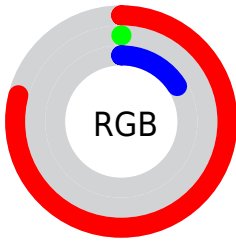
Format	Color
RYB	201, 0, 41
Decimal	13172777
CIELab	42.12, 67.63, 38.26
CIElCh	42, 77.703, 29.494
Yxy	12.5776, 0.6076, 0.3121
Android (android.graphics.Color)	4291362857 (0xFFC90029)
YUV	64.7730, -11.7201, 119.4711
Hunter-Lab	35.4649, 61.1791, 19.4154

Details

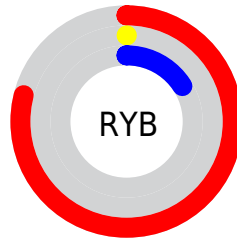
The Yxy color **12.5776, 0.6076, 0.3121** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **44.3103, 0.2433, 0.3958**, and the grayscale version is **5.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4451, 0.5328, 0.3280**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.5760, 0.6077, 0.3121**, and if you desaturate by 10%, it is **13.2188, 0.5778, 0.3046**.

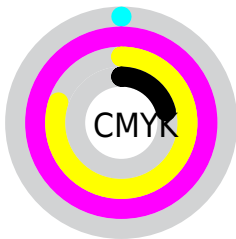
Distribution



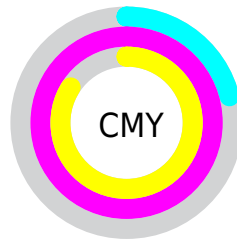
- Red (79%)
- Green (0%)
- Blue (16%)



- Red (79%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (21%)




- Cyan (21%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5776, 0.6076, 0.3121 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 12.5776, 0.6076, 0.3121 by changing the saturation by 10% instead.


 12.5776, 0.6076,
0.3121


 12.5776, 0.6076,
0.3121


208.1925, 0.4351,
0.3384


 7.1383, 0.6544,
0.2953


 30.5428, 0.5404,
0.3283


 3.5488, 0.7278,
0.2722

 43.8375, 0.5163,
0.3322


 1.4245, 0.7824,
0.2176

 60.5195, 0.4964,
0.3347

 0.2347, 0.9093,
0.0907

 80.9732, 0.4799,
0.3363

 0.0000, 1.0000,
0.0000

 105.5830, 0.4660,
0.3373

 0.0000, 0.0000,
0.0000

 134.7332, 0.4542,

0.3379

168.8082, 0.4440,
0.3382

12.5776, 0.6076,
0.3121

12.5776, 0.6076,
0.3121

12.5760, 0.6077,
0.3121

13.2188, 0.5778,
0.3046

14.4346, 0.5405,
0.2994

16.4103, 0.4995,
0.2978

19.2454, 0.4593,
0.2992

23.0243, 0.4229,
0.3028

■ 27.8214, 0.3916,
0.3077

■ 33.7032, 0.3655,
0.3132

■ 40.7309, 0.3441,
0.3187

■ 48.9611, 0.3267,
0.3240

Harmonies

Analogous

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



12.5776, 0.5031, 0.2354



12.5776, 0.6076, 0.3121



12.5776, 0.5883, 0.3991

Triad

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



12.5776, 0.6076, 0.3121



12.5776, 0.2313, 0.6185



12.5776, 0.1173, 0.1244

Complementary

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



12.5776, 0.6076, 0.3121



44.3103, 0.2433, 0.3958

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.



12.5776, 0.0858, 0.1510



12.5776, 0.6076, 0.3121



12.5776, 0.1312, 0.4204

Square

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



12.5776, 0.6076, 0.3121



12.5776, 0.3600, 0.6227



12.5776, 0.0872, 0.2357



12.5776, 0.1923, 0.1321

Rectangle

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



12.5776, 0.6076, 0.3121



12.5776, 0.5285, 0.4715



12.5776, 0.0872, 0.2357



12.5776, 0.1029, 0.1289

Sweetspot

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



12.5784, 0.6076, 0.3121



57.1989, 0.3666, 0.3129



11.4332, 0.2663, 0.1241



11.2794, 0.3772, 0.3105



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.



12.5784, 0.6076, 0.3121



21.5074, 0.6106, 0.3137



15.3438, 0.6010, 0.3609



10.6717, 0.3258, 0.3243



7.9188, 0.6045, 0.3104



0.3856, 0.5462, 0.2782

Inverse Universe

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



12.5784, 0.6076, 0.3121



21.5074, 0.6106, 0.3137



24.1845, 0.1982, 0.2336



10.6717, 0.3258, 0.3243



7.9188, 0.6045, 0.3104



0.3856, 0.5462, 0.2782

Previews

White Background



This preview shows how the Yxy color 12.5776, 0.6076, 0.3121 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 12.5776, 0.6076, 0.3121 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 12.5776, 0.6076, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 12.5776, 0.6076, 0.3121.



This preview shows how white text looks on a background with the Yxy color 12.5776, 0.6076, 0.3121.

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

12.5776, 0.6076, 0.3121

Protanopia

13.2411, 0.3807, 0.4130

Deuteranopia

13.2132, 0.4545, 0.4494



Tritanopia

12.8501, 0.6337, 0.3350

Trichromacy



Original Color

12.5776, 0.6076, 0.3121

Protanomaly

9.9857, 0.4878, 0.3459

Deuteranomaly

10.5127, 0.5432, 0.3687

Tritanomaly

12.6913, 0.6293, 0.3287

Monochromacy



Original Color

12.5776, 0.6076, 0.3121

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

5.4488, 0.4630, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5776, 0.6076, 0.3121 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(201, 0, 41)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 41)  
}
```

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(201, 0, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 41) }
```

Border

The CSS property to change the border of an element to Yxy 12.5776, 0.6076, 0.3121 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(201, 0, 41) }
```

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

```
.border{ border-color:rgb(201, 0, 41) }
```

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

Here you see how a box with a 4 pixel rgb(201, 0, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5776, 0.6076, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 41) }
```

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

```
.background{ background-color: rgb(201, 0,  
41) }
```

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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