

Converting Colors

$Y_{xy}(12.7332, 0.5909, 0.3029)$

Have a look what the booklet for
Yxy(12.7332, 0.5909, 0.3029)
contains.

Yxy(12.6745, 0.5900, 0.3024)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6745, 0.5900, 0.3024)

Conversions

Conversions Part 1

Format	Color
Hex	C90035
RGB	201, 0, 53
RGB Percent	79%, 0%, 21%
CMY	0.2118, 0.9997, 0.7922
CMYK	0.00, 1.00, 0.74, 0.21
HSL	344°, 100%, 39%
HSV	344°, 100%, 79%
XYZ	24.7287, 12.6745, 4.5098
YIQ	66.1410, 102.7830, 59.0950

Conversions

Conversions Part 2

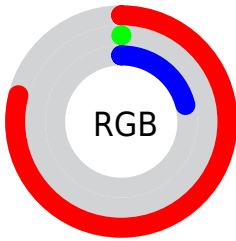
Format	Color
R_{YB}	201, 0, 53
Decimal	13172789
CIE _{Lab}	42.27, 68.04, 31.26
CIE _{LCh}	42, 74.878, 24.680
Yxy	12.6745, 0.5900, 0.3024
Android (android.graphics.Color)	4291362869 (0xFFC90035)
YUV	66.1410, -6.4785, 118.2713
Hunter-Lab	35.6013, 61.6841, 17.4102

Details

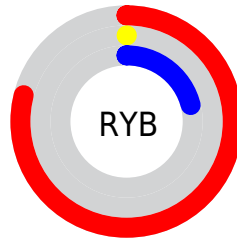
The Yxy color **12.6745, 0.5900, 0.3024** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **43.9117, 0.2492, 0.4170**, and the grayscale version is **5.4763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6579, 0.5178, 0.3175**, and **5.4274, 0.6283, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **12.6731, 0.5901, 0.3024**, and if you desaturate by 10%, it is **13.3381, 0.5591, 0.2939**.

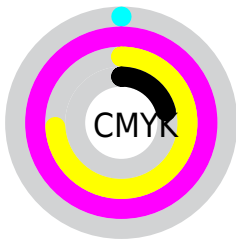
Distribution



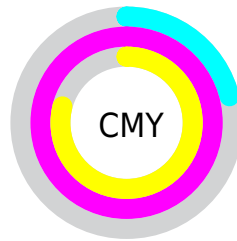
- Red (79%)
- Green (0%)
- Blue (21%)



- Red (79%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6745, 0.5900, 0.3024 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 12.6745, 0.5900, 0.3024 by changing the saturation by 10% instead.


 12.6745, 0.5900,
0.3024


 12.6745, 0.5900,
0.3024


208.8209, 0.4258,
0.3307

 7.2048, 0.6371,
0.2869


 30.7178, 0.5247,
0.3182


 3.5905, 0.7017,
0.2620

 44.0601, 0.5017,
0.3222

 1.4472, 0.7825,
0.2175

 60.7954, 0.4830,
0.3250

 0.2512, 0.9054,
0.0946

 81.3082, 0.4675,
0.3270

 0.0000, 1.0000,
0.0000

 105.9827, 0.4546,
0.3284

 0.0000, 0.0000,
0.0000

 135.2034, 0.4435,

0.3294

169.3547, 0.4340,
0.3302

■ 12.6745, 0.5900,
0.3024

■ 12.6745, 0.5900,
0.3024

■ 12.6731, 0.5901,
0.3024

■ 13.3381, 0.5591,
0.2939

■ 14.5714, 0.5228,
0.2886

■ 16.5586, 0.4844,
0.2875

■ 19.3985, 0.4474,
0.2900

■ 23.1745, 0.4141,
0.2950

■ 27.9601, 0.3855,
0.3015

■ 33.8215, 0.3615,
0.3085

■ 40.8191, 0.3418,
0.3157

■ 49.0088, 0.3257,
0.3225

Harmonies

Analogous

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



12.6745, 0.4708, 0.2271



12.6745, 0.5900, 0.3024



12.6745, 0.5898, 0.3851

Triad

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



12.6745, 0.5900, 0.3024



12.6745, 0.2554, 0.6201



12.6745, 0.1145, 0.1310

Complementary

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



12.6745, 0.5900, 0.3024



43.9117, 0.2492, 0.4170

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.



12.6745, 0.0888, 0.1648



12.6745, 0.5900, 0.3024



12.6745, 0.1496, 0.4527

Square

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



12.6745, 0.5900, 0.3024



12.6745, 0.3832, 0.6008



12.6745, 0.0964, 0.2616



12.6745, 0.1805, 0.1335

Rectangle

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



12.6745, 0.5900, 0.3024



12.6745, 0.5432, 0.4552



12.6745, 0.0964, 0.2616



12.6745, 0.1022, 0.1375

Sweetspot

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



12.6753, 0.5900, 0.3024



57.4072, 0.3625, 0.3082



10.4601, 0.2540, 0.1173



11.3275, 0.3723, 0.3051



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.



12.6753, 0.5900, 0.3024



21.6671, 0.5934, 0.3043



14.4465, 0.6120, 0.3522



10.6820, 0.3249, 0.3229



7.9819, 0.5865, 0.3005



0.3903, 0.5251, 0.2666

Inverse Universe

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



12.6753, 0.5900, 0.3024



21.6671, 0.5934, 0.3043



27.3660, 0.2032, 0.2514



10.6820, 0.3249, 0.3229



7.9819, 0.5865, 0.3005



0.3903, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 12.6745, 0.5900, 0.3024 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 12.6745, 0.5900, 0.3024 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 12.6745, 0.5900, 0.3024

Background



This preview shows how black text looks on a background with the Yxy color 12.6745, 0.5900, 0.3024.



This preview shows how white text looks on a background with the Yxy color 12.6745, 0.5900, 0.3024.

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

12.6745, 0.5900, 0.3024

Protanopia

13.3185, 0.3553, 0.3795

Deuteranopia

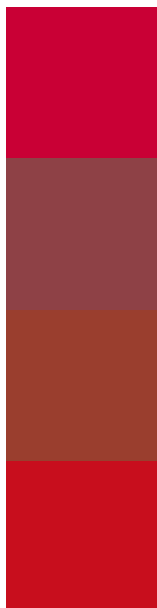
13.2286, 0.4378, 0.4308



Tritanopia

12.8877, 0.6244, 0.3326

Trichromacy



Original Color

12.6745, 0.5900, 0.3024

Protanomaly

9.9736, 0.4550, 0.3207

Deuteranomaly

10.5125, 0.5207, 0.3522

Tritanomaly

12.6821, 0.6171, 0.3234

Monochromacy



Original Color

12.6745, 0.5900, 0.3024

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.6377, 0.4501, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6745, 0.5900, 0.3024 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 53) }
```

Border

The CSS property to change the border of an element to Yxy 12.6745, 0.5900, 0.3024 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, 53) }
```

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

```
.border{ border-color:rgb(201, 0, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6745, 0.5900, 0.3024 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, 53) }
```

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

```
.background{ background-color: rgb(201, 0,  
53) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor