

Converting Colors

$Yxy(12.7454, 0.5888, 0.3017)$

Have a look what the booklet for
Yxy(12.7454, 0.5888, 0.3017)
contains.

Yxy(12.6838, 0.5884, 0.3015)	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(12.6838, 0.5884, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	C90036
RGB	201, 0, 54
RGB Percent	79%, 0%, 21%
CMY	0.2118, 0.9999, 0.7883
CMYK	0.00, 1.00, 0.73, 0.21
HSL	344°, 100%, 39%
HSV	344°, 100%, 79%
XYZ	24.7534, 12.6838, 4.6318
YIQ	66.2550, 102.4620, 59.4060

Conversions

Conversions Part 2

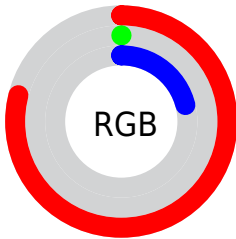
Format	Color
R_{YB}	201, 0, 54
Decimal	13172790
CIE _{Lab}	42.28, 68.08, 30.67
CIE _{LCh}	42, 74.673, 24.251
Yxy	12.6838, 0.5884, 0.3015
Android (android.graphics.Color)	4291362870 (0xFFC90036)
YUV	66.2550, -6.0417, 118.1714
Hunter-Lab	35.6143, 61.7396, 17.2191

Details

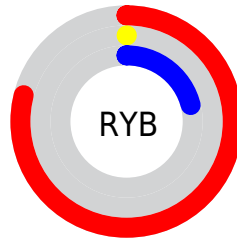
The Yxy color **12.6838, 0.5884, 0.3015** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **43.8823, 0.2497, 0.4189**, and the grayscale version is **5.4901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6966, 0.5152, 0.3156**, and **5.4298, 0.6272, 0.3229** is the 20% darker color. If you saturate the color by 10%, you get **12.6837, 0.5884, 0.3015**, and if you desaturate by 10%, it is **13.3485, 0.5575, 0.2929**.

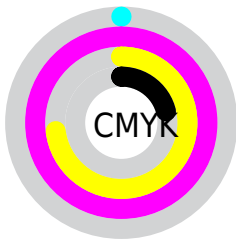
Distribution



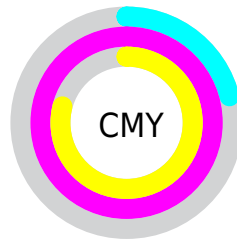
- Red (79%)
- Green (0%)
- Blue (21%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (21%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6838, 0.5884, 0.3015 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 12.6838, 0.5884, 0.3015 by changing the saturation by 10% instead.


 12.6838, 0.5884,
0.3015


 12.6838, 0.5884,
0.3015


208.8811, 0.4250,
0.3301


 7.2112, 0.6355,
0.2860


 30.7345, 0.5234,
0.3172


 3.5945, 0.6995,
0.2611

 44.0814, 0.5005,
0.3214


 1.4494, 0.7825,
0.2175

 60.8219, 0.4819,
0.3242

 0.2527, 0.9051,
0.0949

 81.3403, 0.4665,
0.3262

 0.0000, 1.0000,
0.0000

 106.0210, 0.4536,
0.3276

 0.0000, 0.0000,
0.0000

 135.2484, 0.4426,

0.3287

169.4070, 0.4332,
0.3295

■ 12.6838, 0.5884,
0.3015

■ 12.6838, 0.5884,
0.3015

■ 12.6837, 0.5884,
0.3015

■ 13.3485, 0.5575,
0.2929

■ 14.5816, 0.5213,
0.2876

■ 16.5679, 0.4832,
0.2866

■ 19.4062, 0.4465,
0.2892

■ 23.1799, 0.4135,
0.2943

■ 27.9624, 0.3850,
0.3009

■ 33.8198, 0.3612,
0.3081

■ 40.8126, 0.3417,
0.3154

■ 48.9967, 0.3257,
0.3224

Harmonies

Analogous

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



12.6838, 0.4680, 0.2263



12.6838, 0.5884, 0.3015



12.6838, 0.5900, 0.3840

Triad

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



12.6838, 0.5884, 0.3015



12.6838, 0.2575, 0.6202



12.6838, 0.1143, 0.1316

Complementary

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



12.6838, 0.5884, 0.3015



43.8823, 0.2497, 0.4189

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.



12.6838, 0.0891, 0.1661



12.6838, 0.5884, 0.3015



12.6838, 0.1512, 0.4555

Square

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



12.6838, 0.5884, 0.3015



12.6838, 0.3852, 0.5989



12.6838, 0.0972, 0.2639



12.6838, 0.1795, 0.1336

Rectangle

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



12.6838, 0.5884, 0.3015



12.6838, 0.5440, 0.4535



12.6838, 0.0972, 0.2639



12.6838, 0.1021, 0.1383

Sweetspot

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



12.6846, 0.5884, 0.3015



57.4254, 0.3622, 0.3078



10.1525, 0.2499, 0.1150



11.3317, 0.3719, 0.3047



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.



12.6846, 0.5884, 0.3015



21.6830, 0.5917, 0.3033



14.1876, 0.6153, 0.3496



10.6829, 0.3248, 0.3228



7.9881, 0.5848, 0.2995



0.3907, 0.5234, 0.2657

Inverse Universe

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



12.6846, 0.5884, 0.3015



21.6830, 0.5917, 0.3033



28.4865, 0.2048, 0.2573



10.6829, 0.3248, 0.3228



7.9881, 0.5848, 0.2995



0.3907, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 12.6838, 0.5884, 0.3015 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 12.6838, 0.5884, 0.3015 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 12.6838, 0.5884, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 12.6838, 0.5884, 0.3015.



This preview shows how white text looks on a background with the Yxy color 12.6838, 0.5884, 0.3015.

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

12.6838, 0.5884, 0.3015

Protanopia

13.3480, 0.3524, 0.3750

Deuteranopia

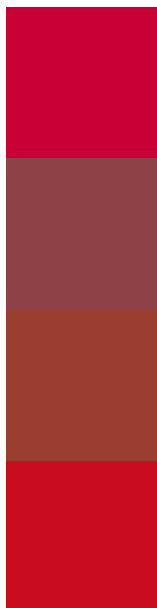
13.2358, 0.4367, 0.4293



Tritanopia

12.8906, 0.6238, 0.3323

Trichromacy



Original Color

12.6838, 0.5884, 0.3015

Protanomaly

9.9863, 0.4530, 0.3189

Deuteranomaly

10.5205, 0.5190, 0.3509

Tritanomaly

12.6872, 0.6161, 0.3228

Monochromacy



Original Color

12.6838, 0.5884, 0.3015

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.6486, 0.4473, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6838, 0.5884, 0.3015 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 54) }
```

Border

The CSS property to change the border of an element to Yxy 12.6838, 0.5884, 0.3015 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, 54) }
```

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

```
.border{ border-color:rgb(201, 0, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(201, 0, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6838, 0.5884, 0.3015 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, 54) }
```

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

```
.background{ background-color: rgb(201, 0,  
54) }
```

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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