

Converting Colors

$Y_{xy}(15.2687, 0.5848, 0.3005)$

Have a look what the booklet for
Yxy(15.2687, 0.5848, 0.3005)
contains.

Yxy(15.3075, 0.5853, 0.3008)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.3075, 0.5853, 0.3008)

Conversions

Conversions Part 1

Format	Color
Hex	DA033D
RGB	218, 3, 61
RGB Percent	85%, 1%, 24%
CMY	0.1451, 0.9877, 0.7609
CMYK	0.00, 0.99, 0.72, 0.15
HSL	344°, 97%, 43%
HSV	344°, 99%, 85%
XYZ	29.7855, 15.3075, 5.7963
YIQ	73.8970, 109.5220, 63.6180

Conversions

Conversions Part 2

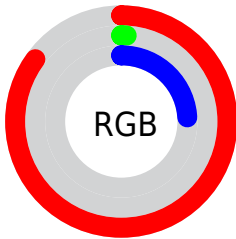
Format	Color
RYB	218, 3, 61
Decimal	14287677
CIELab	46.05, 72.15, 31.75
CIELCh	46, 78.829, 23.752
Yxy	15.3075, 0.5853, 0.3008
Android (android.graphics.Color)	4292477757 (0xFFDA033D)
YUV	73.8970, -6.3582, 126.3783
Hunter-Lab	39.1248, 67.4227, 18.6036

Details

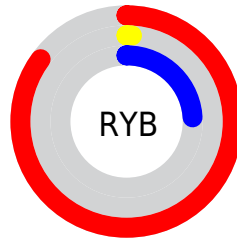
The Yxy color **15.3075, 0.5853, 0.3008** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.7006, 0.2497, 0.4182**, and the grayscale version is **6.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6550, 0.5029, 0.3133**, and **6.9205, 0.6210, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **15.2162, 0.5894, 0.3021**, and if you desaturate by 10%, it is **16.1307, 0.5539, 0.2921**.

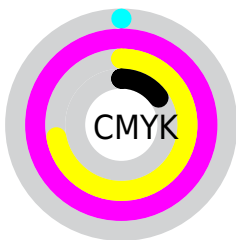
Distribution



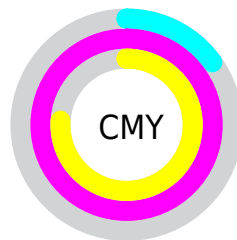
- Red (85%)
- Green (1%)
- Blue (24%)



- Red (85%)
- Yellow (1%)
- Blue (24%)



- Cyan (0%)
- Magenta (99%)
- Yellow (72%)
- Black (15%)





- Cyan (15%)
- Magenta (99%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3075, 0.5853, 0.3008 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 15.3075, 0.5853, 0.3008 by changing the saturation by 10% instead.


 15.3075, 0.5853,
0.3008

 15.3075, 0.5853,
0.3008


225.2200, 0.4278,
0.3290


 9.0355, 0.6290,
0.2867


 35.3917, 0.5238,
0.3158


 4.7643, 0.6852,
0.2638

 49.9727, 0.5019,
0.3199

 2.1097, 0.7703,
0.2297

 68.0922, 0.4838,
0.3227

 0.6701, 0.8414,
0.1586

 90.1345, 0.4688,
0.3248

 0.0000, 1.0000,
0.0000

 116.4840, 0.4561,
0.3263

 0.0000, 0.0000,
0.0000

 147.5252, 0.4453,

0.3275

183.6424, 0.4359,
0.3284

■ 15.3075, 0.5853,
0.3008

■ 15.3075, 0.5853,
0.3008

■ 15.2162, 0.5894,
0.3021

■ 16.1307, 0.5539,
0.2921

■ 17.7030, 0.5173,
0.2872

■ 20.2018, 0.4790,
0.2866

■ 23.7450, 0.4424,
0.2896

■ 28.4329, 0.4098,
0.2950

■ 34.3536, 0.3818,
0.3017

■ 41.5869, 0.3585,
0.3090

■ 50.2056, 0.3393,
0.3163

■ 60.2771, 0.3237,
0.3233

Harmonies

Analogous

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



15.3075, 0.4641, 0.2259



15.3075, 0.5853, 0.3008



15.3075, 0.5893, 0.3829

Triad

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



15.3075, 0.5853, 0.3008



15.3075, 0.2604, 0.6185



15.3075, 0.1146, 0.1329

Complementary

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



15.3075, 0.5853, 0.3008



52.7006, 0.2497, 0.4182

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.



15.3075, 0.0900, 0.1682



15.3075, 0.5853, 0.3008



15.3075, 0.1539, 0.4580

Square

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



15.3075, 0.5853, 0.3008



15.3075, 0.3864, 0.5939



15.3075, 0.0988, 0.2671



15.3075, 0.1788, 0.1344

Rectangle

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



15.3075, 0.5853, 0.3008



15.3075, 0.5424, 0.4499



15.3075, 0.0988, 0.2671



15.3075, 0.1026, 0.1398

Sweetspot

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



15.3085, 0.5853, 0.3008



57.4280, 0.3621, 0.3077



12.3090, 0.2506, 0.1159



11.3323, 0.3718, 0.3046



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.



15.3085, 0.5853, 0.3008



21.6853, 0.5915, 0.3032



17.1652, 0.6129, 0.3500



13.1088, 0.3250, 0.3227



9.1326, 0.5857, 0.3000



0.6059, 0.5387, 0.2741

Inverse Universe

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



15.3085, 0.5853, 0.3008



21.6853, 0.5915, 0.3032



34.3730, 0.2052, 0.2580



13.1088, 0.3250, 0.3227



9.1326, 0.5857, 0.3000



0.6059, 0.5387, 0.2741

Previews

White Background



This preview shows how the Yxy color 15.3075, 0.5853, 0.3008 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 15.3075, 0.5853, 0.3008 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 15.3075, 0.5853, 0.3008

Background



This preview shows how black text looks on a background with the Yxy color 15.3075, 0.5853, 0.3008.



This preview shows how white text looks on a background with the Yxy color 15.3075, 0.5853, 0.3008.

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

15.3075, 0.5853, 0.3008

Protanopia

15.9061, 0.3467, 0.3699

Deuteranopia

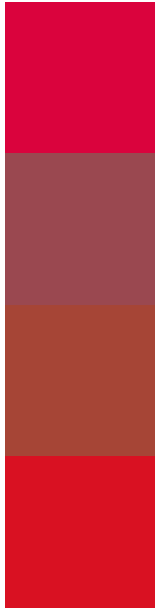
15.8567, 0.4321, 0.4270



Tritanopia

15.4940, 0.6234, 0.3321

Trichromacy



Original Color

15.3075, 0.5853, 0.3008

Protanomaly

12.0839, 0.4475, 0.3164

Deuteranomaly

12.6296, 0.5130, 0.3498

Tritanomaly

15.2681, 0.6153, 0.3228

Monochromacy



Original Color

15.3075, 0.5853, 0.3008

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.9792, 0.4450, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3075, 0.5853, 0.3008 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(218, 3, 61)` looks like.

```
.text, #text, p{  
    color:rgb(218, 3, 61)  
}
```

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(218, 3, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 3, 61) }
```

Border

The CSS property to change the border of an element to Yxy 15.3075, 0.5853, 0.3008 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(218, 3, 61) }
```

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

```
.border{ border-color:rgb(218, 3, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 3, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 3, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 3, 61);  
box-shadow:4px 4px 4px 4px rgb(218, 3, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.3075, 0.5853, 0.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 3, 61) }
```

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

```
.background{ background-color: rgb(218, 3,  
61) }
```

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