

Converting Colors

$Yxy(15.0399, 0.5868, 0.3006)$

Have a look what the booklet for
Yxy(15.0399, 0.5868, 0.3006)
contains.

Yxy(15.0780, 0.5869, 0.3007)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0780, 0.5869, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	D9003C
RGB	217, 0, 60
RGB Percent	85%, 0%, 24%
CMY	0.1491, 0.9995, 0.7647
CMYK	0.00, 1.00, 0.72, 0.15
HSL	343°, 100%, 43%
HSV	343°, 100%, 85%
XYZ	29.4289, 15.0780, 5.6361
YIQ	71.7230, 110.0720, 64.6640

Conversions

Conversions Part 2

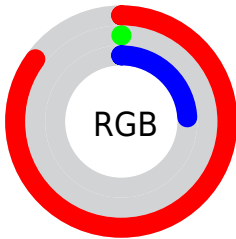
Format	Color
RYB	217, 0, 60
Decimal	14221372
CIELab	45.74, 72.13, 31.91
CIElCh	46, 78.878, 23.865
Yxy	15.0780, 0.5869, 0.3007
Android (android.graphics.Color)	4292411452 (0xFFD9003C)
YUV	71.7230, -5.7794, 127.4079
Hunter-Lab	38.8304, 67.3290, 18.5756

Details

The Yxy color **15.0780, 0.5869, 0.3007** 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 **52.0583, 0.2506, 0.4221**, and the grayscale version is **6.4382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4663, 0.5048, 0.3134**, and **6.8193, 0.6221, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **15.0755, 0.5870, 0.3008**, and if you desaturate by 10%, it is **15.8347, 0.5562, 0.2917**.

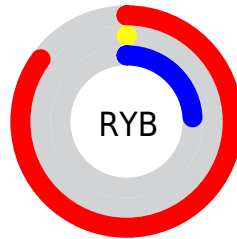
Distribution



Red (85%)

Green (0%)

Blue (24%)



Red (85%)

Yellow (0%)

Blue (24%)

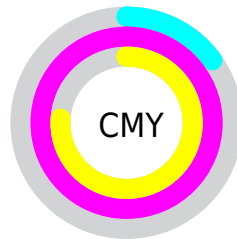


Cyan (0%)

Magenta (100%)

Yellow (72%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0780, 0.5869, 0.3007 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 15.0780, 0.5869, 0.3007 by changing the saturation by 10% instead.


 15.0780, 0.5869,
0.3007


 15.0780, 0.5869,
0.3007


223.8379, 0.4282,
0.3292


 8.8741, 0.6310,
0.2864


 34.9900, 0.5249,
0.3159


 4.6592, 0.6876,
0.2631

 49.4668, 0.5028,
0.3200


 2.0487, 0.7720,
0.2280

 67.4702, 0.4846,
0.3229

 0.6355, 0.8451,
0.1549

 89.3844, 0.4695,
0.3250

 0.0000, 1.0000,
0.0000

 115.5939, 0.4567,
0.3265

 0.0000, 0.0000,
0.0000

 146.4830, 0.4458,

0.3277

182.4362, 0.4364,
0.3285

■ 15.0780, 0.5869,
0.3007

■ 15.0780, 0.5869,
0.3007

■ 15.0755, 0.5870,
0.3008

■ 15.8347, 0.5562,
0.2917

■ 17.2781, 0.5203,
0.2863

■ 19.6194, 0.4823,
0.2853

■ 22.9781, 0.4458,
0.2879

■ 27.4552, 0.4129,
0.2932

■ 33.1392, 0.3846,
0.3000

■ 40.1098, 0.3609,
0.3074

■ 48.4400, 0.3415,
0.3149

■ 58.1969, 0.3256,
0.3222

Harmonies

Analogous

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



15.0780, 0.4655, 0.2257



15.0780, 0.5869, 0.3007



15.0780, 0.5901, 0.3829

Triad

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



15.0780, 0.5869, 0.3007



15.0780, 0.2594, 0.6201



15.0780, 0.1140, 0.1322

Complementary

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



15.0780, 0.5869, 0.3007



52.0583, 0.2506, 0.4221

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.



15.0780, 0.0893, 0.1672



15.0780, 0.5869, 0.3007



15.0780, 0.1527, 0.4580

Square

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



15.0780, 0.5869, 0.3007



15.0780, 0.3859, 0.5956



15.0780, 0.0979, 0.2660



15.0780, 0.1786, 0.1338

Rectangle

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



15.0780, 0.5869, 0.3007



15.0780, 0.5430, 0.4505



15.0780, 0.0979, 0.2660



15.0780, 0.1021, 0.1390

Sweetspot

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



15.0790, 0.5869, 0.3007



57.4529, 0.3617, 0.3072



12.0340, 0.2496, 0.1149



11.3381, 0.3712, 0.3040



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.



15.0790, 0.5869, 0.3007



21.7076, 0.5892, 0.3020



16.7918, 0.6160, 0.3490



13.1103, 0.3248, 0.3226



9.1424, 0.5834, 0.2987



0.6068, 0.5364, 0.2729

Inverse Universe

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



15.0790, 0.5869, 0.3007



21.7076, 0.5892, 0.3020



33.7594, 0.2047, 0.2569



13.1103, 0.3248, 0.3226



9.1424, 0.5834, 0.2987



0.6068, 0.5364, 0.2729

Previews

White Background



This preview shows how the Yxy color 15.0780, 0.5869, 0.3007 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 15.0780, 0.5869, 0.3007 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 15.0780, 0.5869, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 15.0780, 0.5869, 0.3007.

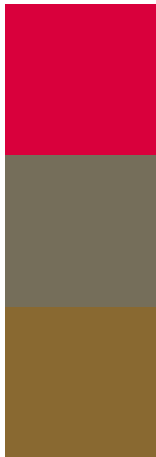


This preview shows how white text looks on a background with the Yxy color 15.0780, 0.5869, 0.3007.

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

15.0780, 0.5869, 0.3007

Protanopia

15.6720, 0.3485, 0.3701

Deuteranopia

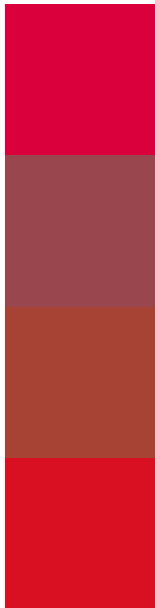
15.6433, 0.4344, 0.4268



Tritanopia

15.3379, 0.6238, 0.3325

Trichromacy



Original Color

15.0780, 0.5869, 0.3007

Protanomaly

11.7171, 0.4496, 0.3147

Deuteranomaly

12.3783, 0.5170, 0.3483

Tritanomaly

15.0793, 0.6164, 0.3230

Monochromacy



Original Color

15.0780, 0.5869, 0.3007

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.7313, 0.4473, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0780, 0.5869, 0.3007 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(217, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 60)  
}
```

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(217, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 60) }
```

Border

The CSS property to change the border of an element to Yxy 15.0780, 0.5869, 0.3007 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(217, 0, 60) }
```

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

```
.border{ border-color:rgb(217, 0, 60) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0780, 0.5869, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 60) }
```

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

```
.background{ background-color: rgb(217, 0,  
60) }
```

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