

Converting Colors

$Yxy(15.3107, 0.5763, 0.2949)$

Have a look what the booklet for
Yxy(15.3107, 0.5763, 0.2949)
contains.

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Color

Yxy(15.3107, 0.5763, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	DA0043
RGB	218, 0, 67
RGB Percent	85%, 0%, 26%
CMY	0.1452, 0.9991, 0.7373
CMYK	0.00, 1.00, 0.69, 0.15
HSL	342°, 100%, 43%
HSV	342°, 100%, 85%
XYZ	29.9205, 15.3107, 6.6871
YIQ	72.8200, 108.4210, 67.0530

Conversions

Conversions Part 2

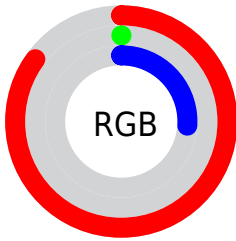
Format	Color
RYB	218, 0, 67
Decimal	14286915
CIELab	46.06, 72.65, 28.09
CIELCh	46, 77.886, 21.138
Yxy	15.3107, 0.5763, 0.2949
Android (android.graphics.Color)	4292476995 (0xFFDA0043)
YUV	72.8200, -2.8693, 127.3229
Hunter-Lab	39.1289, 68.0172, 17.2576

Details

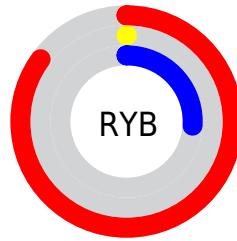
The Yxy color **15.3107, 0.5763, 0.2949** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **52.3720, 0.2537, 0.4332**, and the grayscale version is **6.6449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8101, 0.4935, 0.3065**, and **6.9402, 0.6140, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **15.3044, 0.5766, 0.2950**, and if you desaturate by 10%, it is **16.0874, 0.5457, 0.2858**.

Distribution



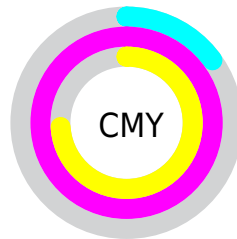
- Red (85%)
- Green (0%)
- Blue (26%)



- Red (85%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3107, 0.5763, 0.2949 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 15.3107, 0.5763, 0.2949 by changing the saturation by 10% instead.


 15.3107, 0.5763,
0.2949


 15.3107, 0.5763,
0.2949


225.2392, 0.4233,
0.3249


 9.0377, 0.6197,
0.2811


 35.3973, 0.5161,
0.3101

 4.7658, 0.6763,
0.2589

 49.9798, 0.4948,
0.3144

 2.1105, 0.7715,
0.2285

 68.1008, 0.4773,
0.3175

 0.6705, 0.8425,
0.1575

 90.1449, 0.4628,
0.3198

 0.0000, 1.0000,
0.0000

 116.4964, 0.4506,
0.3216

 0.0000, 0.0000,
0.0000

 147.5397, 0.4401,

0.3230

183.6591, 0.4311,
0.3240

■ 15.3107, 0.5763,
0.2949

■ 15.3107, 0.5763,
0.2949

■ 15.3044, 0.5766,
0.2950

■ 16.0874, 0.5457,
0.2858

■ 17.5577, 0.5107,
0.2805

■ 19.9324, 0.4744,
0.2799

■ 23.3318, 0.4396,
0.2833

■ 27.8574, 0.4083,
0.2893

■ 33.5985, 0.3814,
0.2969

■ 40.6351, 0.3588,
0.3051

■ 49.0407, 0.3402,
0.3134

■ 58.8829, 0.3250,
0.3215

Harmonies

Analogous

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



15.3107, 0.4483, 0.2209



15.3107, 0.5763, 0.2949



15.3107, 0.5909, 0.3758

Triad

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



15.3107, 0.5763, 0.2949



15.3107, 0.2723, 0.6196



15.3107, 0.1125, 0.1358

Complementary

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



15.3107, 0.5763, 0.2949



52.3720, 0.2537, 0.4332

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.



15.3107, 0.0909, 0.1752



15.3107, 0.5763, 0.2949



15.3107, 0.1631, 0.4749

Square

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



15.3107, 0.5763, 0.2949



15.3107, 0.3980, 0.5840



15.3107, 0.1032, 0.2810



15.3107, 0.1725, 0.1345

Rectangle

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



15.3107, 0.5763, 0.2949



15.3107, 0.5482, 0.4403



15.3107, 0.1032, 0.2810



15.3107, 0.1016, 0.1439

Sweetspot

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



15.3117, 0.5763, 0.2949



57.5621, 0.3596, 0.3048



11.4577, 0.2416, 0.1105



11.3634, 0.3688, 0.3012



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.



15.3117, 0.5763, 0.2949



21.8126, 0.5788, 0.2962



16.4301, 0.6218, 0.3443



13.1169, 0.3244, 0.3219



9.1884, 0.5728, 0.2929



0.6104, 0.5261, 0.2672

Inverse Universe

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



15.3117, 0.5763, 0.2949



21.8126, 0.5788, 0.2962



36.9250, 0.2080, 0.2687



13.1169, 0.3244, 0.3219



9.1884, 0.5728, 0.2929



0.6104, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 15.3107, 0.5763, 0.2949 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 15.3107, 0.5763, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

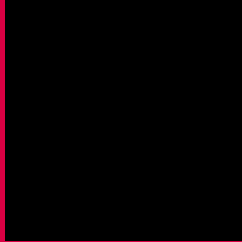
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.3107, 0.5763, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 15.3107, 0.5763, 0.2949.

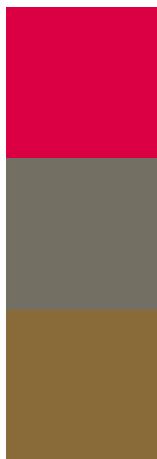


This preview shows how white text looks on a background with the Yxy color 15.3107, 0.5763, 0.2949.

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

15.3107, 0.5763, 0.2949

Protanopia

15.9827, 0.3348, 0.3535

Deuteranopia

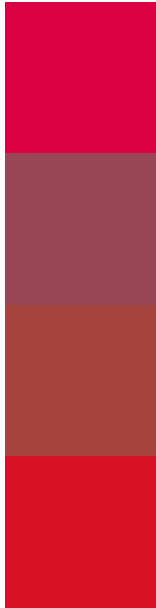
15.9218, 0.4241, 0.4166



Tritanopia

15.5935, 0.6205, 0.3319

Trichromacy



Original Color

15.3107, 0.5763, 0.2949

Protanomaly

11.9669, 0.4332, 0.3029

Deuteranomaly

12.5782, 0.5027, 0.3393

Tritanomaly

15.2926, 0.6114, 0.3206

Monochromacy



Original Color

15.3107, 0.5763, 0.2949

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.9236, 0.4407, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3107, 0.5763, 0.2949 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, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(218, 0, 67)  
}
```

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, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 15.3107, 0.5763, 0.2949 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, 0, 67) }
```

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

```
.border{ border-color:rgb(218, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(218, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.3107, 0.5763, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 0, 67) }
```

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

```
.background{ background-color: rgb(218, 0,  
67) }
```

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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