

Converting Colors

$Yxy(15.9868, 0.5687, 0.2906)$

Have a look what the booklet for
Yxy(15.9868, 0.5687, 0.2906)
contains.

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Color

Yxy(16.0106, 0.5688, 0.2907)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DE0049 |
| RGB | 222, 0, 73 |
| RGB Percent | 87%, 0%, 29% |
| CMY | 0.1294, 0.9999, 0.7138 |
| CMYK | 0.00, 1.00, 0.67, 0.13 |
| HSL | 340°, 100%, 44% |
| HSV | 340°, 100%, 87% |
| XYZ | 31.3272, 16.0106, 7.7382 |
| YIQ | 74.7000, 108.8790, 69.7670 |

Conversions

Conversions Part 2

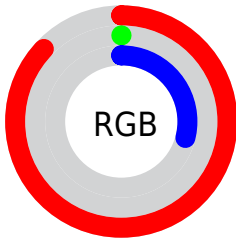
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 222, 0, 73 |
| Decimal | 14549065 |
| CIE _{Lab} | 46.99, 73.88, 25.76 |
| CIE _{LCh} | 47, 78.240, 19.221 |
| Yxy | 16.0106, 0.5688, 0.2907 |
| Android (android.graphics.Color) | 4292739145 (0xFFDE0049) |
| YUV | 74.7000, -0.8381, 129.1821 |
| Hunter-Lab | 40.0132, 69.7283, 16.5432 |

Details

The Yxy color **16.0106, 0.5688, 0.2907** 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 **54.4168, 0.2560, 0.4415**, and the grayscale version is **6.9689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1226, 0.4848, 0.3015**, and **7.3628, 0.6076, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **16.0107, 0.5688, 0.2907**, and if you desaturate by 10%, it is **16.8155, 0.5385, 0.2815**.

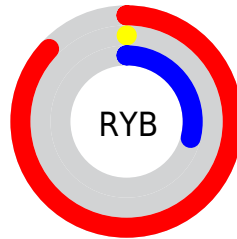
Distribution



Red (87%)

Green (0%)

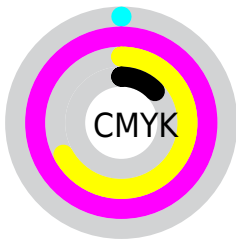
Blue (29%)



Red (87%)

Yellow (0%)

Blue (29%)

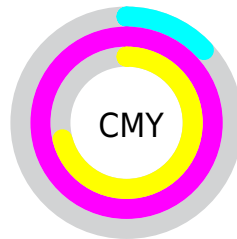


Cyan (0%)

Magenta (100%)

Yellow (67%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0106, 0.5688, 0.2907 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 16.0106, 0.5688, 0.2907 by changing the saturation by 10% instead.


 16.0106, 0.5688,
0.2907


 16.0106, 0.5688,
0.2907


229.4043, 0.4207,
0.3218

 9.5317, 0.6109,
0.2773


 36.6166, 0.5106,
0.3058


 5.0896, 0.6663,
0.2562

 51.5125, 0.4899,
0.3103


 2.2999, 0.7507,
0.2251

 69.9827, 0.4730,
0.3136

 0.7737, 0.8357,
0.1643

 92.4118, 0.4590,
0.3161

 0.0000, 1.0000,
0.0000

 119.1841, 0.4471,
0.3181

 0.0000, 0.0000,
0.0000

 150.6840, 0.4370,

0.3196

187.2959, 0.4283,
0.3208

■ 16.0106, 0.5688,
0.2907

■ 16.0106, 0.5688,
0.2907

■ 16.0107, 0.5688,
0.2907

■ 16.8155, 0.5385,
0.2815

■ 18.3387, 0.5044,
0.2763

■ 20.8013, 0.4693,
0.2760

■ 24.3290, 0.4357,
0.2798

■ 29.0281, 0.4055,
0.2863

■ 34.9916, 0.3795,
0.2944

■ 42.3034, 0.3576,
0.3033

■ 51.0399, 0.3396,
0.3122

■ 61.2719, 0.3248,
0.3209

Harmonies

Analogous

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



16.0106, 0.4366, 0.2175



16.0106, 0.5688, 0.2907



16.0106, 0.5913, 0.3708

Triad

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



16.0106, 0.5688, 0.2907



16.0106, 0.2811, 0.6189



16.0106, 0.1114, 0.1384

Complementary

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



16.0106, 0.5688, 0.2907



54.4168, 0.2560, 0.4415

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.



16.0106, 0.0920, 0.1809



16.0106, 0.5688, 0.2907



16.0106, 0.1704, 0.4865

Square

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



16.0106, 0.5688, 0.2907



16.0106, 0.4060, 0.5760



16.0106, 0.1069, 0.2917



16.0106, 0.1683, 0.1349

Rectangle

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



16.0106, 0.5688, 0.2907



16.0106, 0.5517, 0.4334



16.0106, 0.1069, 0.2917



16.0106, 0.1013, 0.1472

Sweetspot

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



16.0116, 0.5688, 0.2907



57.6425, 0.3581, 0.3031



11.5718, 0.2374, 0.1082



11.3821, 0.3670, 0.2993



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.



16.0116, 0.5688, 0.2907



21.8970, 0.5708, 0.2918



16.8550, 0.6248, 0.3421



13.7744, 0.3241, 0.3213



9.5280, 0.5650, 0.2886



0.6766, 0.5213, 0.2646

Inverse Universe

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



16.0116, 0.5688, 0.2907



21.8970, 0.5708, 0.2918



39.9757, 0.2095, 0.2743



13.7744, 0.3241, 0.3213



9.5280, 0.5650, 0.2886



0.6766, 0.5213, 0.2646

Previews

White Background



This preview shows how the Yxy color 16.0106, 0.5688, 0.2907 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 16.0106, 0.5688, 0.2907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

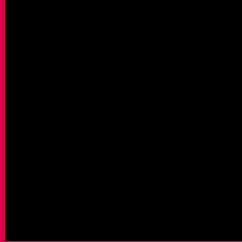
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0106, 0.5688, 0.2907

Background



This preview shows how black text looks on a background with the Yxy color 16.0106, 0.5688, 0.2907.



This preview shows how white text looks on a background with the Yxy color 16.0106, 0.5688, 0.2907.

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

16.0106, 0.5688, 0.2907

Protanopia

16.6749, 0.3242, 0.3390

Deuteranopia

16.5730, 0.4176, 0.4093



Tritanopia

16.3709, 0.6178, 0.3320

Trichromacy



Original Color

16.0106, 0.5688, 0.2907



Protanomaly

12.4295, 0.4201, 0.2917



Deuteranomaly

13.0965, 0.4949, 0.3323



Tritanomaly

16.0051, 0.6076, 0.3192

Monochromacy



Original Color

16.0106, 0.5688, 0.2907



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.1975, 0.4361, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0106, 0.5688, 0.2907 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(222, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 73)  
}
```

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(222, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.0106, 0.5688, 0.2907 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(222, 0, 73) }
```

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

```
.border{ border-color:rgb(222, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0106, 0.5688, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 73) }
```

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

```
.background{ background-color: rgb(222, 0,  
73) }
```

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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