

Converting Colors

$Y_{xy}(15.8271, 0.5715, 0.2922)$

Have a look what the booklet for
Yxy(15.8271, 0.5715, 0.2922)
contains.

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Color

Yxy(15.8271, 0.5715, 0.2922)

Conversions

Conversions Part 1

Format	Color
Hex	DD0047
RGB	221, 0, 71
RGB Percent	87%, 0%, 28%
CMY	0.1333, 0.9997, 0.7216
CMYK	0.00, 1.00, 0.68, 0.13
HSL	341°, 100%, 43%
HSV	341°, 100%, 87%
XYZ	30.9555, 15.8271, 7.3827
YIQ	74.1730, 108.9250, 68.9330

Conversions

Conversions Part 2

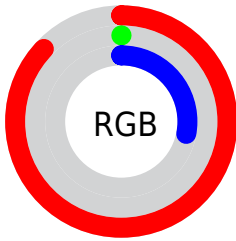
Format	Color
RYB	221, 0, 71
Decimal	14483527
CIELab	46.75, 73.55, 26.63
CIElCh	47, 78.221, 19.904
Yxy	15.8271, 0.5715, 0.2922
Android (android.graphics.Color)	4292673607 (0xFFDD0047)
YUV	74.1730, -1.5643, 128.7673
Hunter-Lab	39.7833, 69.2705, 16.8456

Details

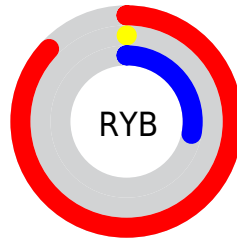
The Yxy color **15.8271, 0.5715, 0.2922** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.9167, 0.2552, 0.4386**, and the grayscale version is **6.8757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9042, 0.4881, 0.3026**, and **7.2568, 0.6089, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **15.8260, 0.5716, 0.2922**, and if you desaturate by 10%, it is **16.6239, 0.5411, 0.2830**.

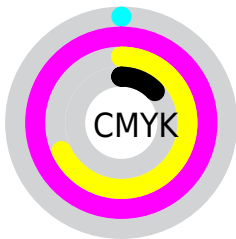
Distribution



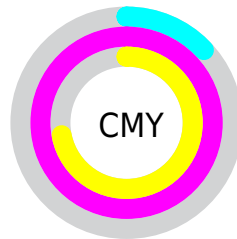
- Red (87%)
- Green (0%)
- Blue (28%)



- Red (87%)
- Yellow (0%)
- Blue (28%)



- Cyan (0%)
- Magenta (100%)
- Yellow (68%)
- Black (13%)




- Cyan (13%)
- Magenta (100%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8271, 0.5715, 0.2922 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 15.8271, 0.5715, 0.2922 by changing the saturation by 10% instead.


 15.8271, 0.5715,
0.2922


 15.8271, 0.5715,
0.2922


228.3193, 0.4217,
0.3229

 9.4019, 0.6140,
0.2787


 36.2978, 0.5126,
0.3073


 5.0042, 0.6698,
0.2573

 51.1120, 0.4918,
0.3117


 2.2497, 0.7577,
0.2265

 69.4914, 0.4747,
0.3150

 0.7469, 0.8372,
0.1628

 91.8204, 0.4604,
0.3174

 0.0000, 1.0000,
0.0000

 118.4832, 0.4485,
0.3193

 0.0000, 0.0000,
0.0000

 149.8644, 0.4382,

0.3208

186.3483, 0.4294,
0.3220

■ 15.8271, 0.5715,
0.2922

■ 15.8271, 0.5715,
0.2922

■ 15.8260, 0.5716,
0.2922

■ 16.6239, 0.5411,
0.2830

■ 18.1328, 0.5067,
0.2778

■ 20.5725, 0.4711,
0.2774

■ 24.0674, 0.4371,
0.2810

■ 28.7225, 0.4066,
0.2873

■ 34.6301, 0.3802,
0.2953

■ 41.8730, 0.3581,
0.3039

■ 50.5268, 0.3398,
0.3126

■ 60.6617, 0.3249,
0.3211

Harmonies

Analogous

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



15.8271, 0.4407, 0.2187



15.8271, 0.5715, 0.2922



15.8271, 0.5912, 0.3726

Triad

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



15.8271, 0.5715, 0.2922



15.8271, 0.2780, 0.6192



15.8271, 0.1118, 0.1375

Complementary

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



15.8271, 0.5715, 0.2922



53.9167, 0.2552, 0.4386

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.



15.8271, 0.0916, 0.1789



15.8271, 0.5715, 0.2922



15.8271, 0.1678, 0.4824

Square

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



15.8271, 0.5715, 0.2922



15.8271, 0.4031, 0.5788



15.8271, 0.1056, 0.2879



15.8271, 0.1698, 0.1347

Rectangle

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



15.8271, 0.5715, 0.2922



15.8271, 0.5504, 0.4358



15.8271, 0.1056, 0.2879



15.8271, 0.1014, 0.1460

Sweetspot

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



15.8281, 0.5715, 0.2922



57.6146, 0.3586, 0.3037



11.4578, 0.2375, 0.1082



11.3756, 0.3676, 0.3000



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.



15.8281, 0.5715, 0.2922



21.8670, 0.5736, 0.2933



16.6883, 0.6248, 0.3421



13.1201, 0.3242, 0.3215



9.2121, 0.5675, 0.2900



0.6123, 0.5211, 0.2644

Inverse Universe

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



15.8281, 0.5715, 0.2922



21.8670, 0.5736, 0.2933



39.5751, 0.2096, 0.2743



13.1201, 0.3242, 0.3215



9.2121, 0.5675, 0.2900



0.6123, 0.5211, 0.2644

Previews

White Background



This preview shows how the Yxy color 15.8271, 0.5715, 0.2922 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 15.8271, 0.5715, 0.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

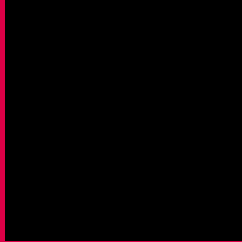
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8271, 0.5715, 0.2922

Background



This preview shows how black text looks on a background with the Yxy color 15.8271, 0.5715, 0.2922.



This preview shows how white text looks on a background with the Yxy color 15.8271, 0.5715, 0.2922.

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

15.8271, 0.5715, 0.2922

Protanopia

16.3902, 0.3282, 0.3431

Deuteranopia

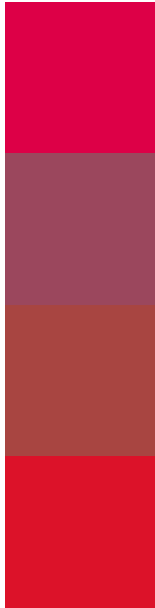
16.4653, 0.4186, 0.4130



Tritanopia

16.1603, 0.6188, 0.3320

Trichromacy



Original Color

15.8271, 0.5715, 0.2922

Protanomaly

12.2654, 0.4246, 0.2934

Deuteranomaly

12.9627, 0.4971, 0.3351

Tritanomaly

15.8084, 0.6087, 0.3194

Monochromacy



Original Color

15.8271, 0.5715, 0.2922

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.0261, 0.4375, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8271, 0.5715, 0.2922 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(221, 0, 71)` looks like.

```
.text, #text, p{  
    color:rgb(221, 0, 71)  
}
```

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(221, 0, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 0, 71) }
```

Border

The CSS property to change the border of an element to Yxy 15.8271, 0.5715, 0.2922 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(221, 0, 71) }
```

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

```
.border{ border-color:rgb(221, 0, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 0, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 0, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 0, 71);  
box-shadow:4px 4px 4px 4px rgb(221, 0, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8271, 0.5715, 0.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 0, 71) }
```

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

```
.background{ background-color: rgb(221, 0,  
71) }
```

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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