

Converting Colors

$Yxy(13.6912, 0.6208, 0.2862)$

Have a look what the booklet for
Yxy(13.6912, 0.6208, 0.2862)
contains.

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Color

Yxy(15.7866, 0.5992, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	DE0035
RGB	222, 0, 53
RGB Percent	87%, 0%, 21%
CMY	0.1293, 1.0000, 0.7921
CMYK	0.00, 1.00, 0.76, 0.13
HSL	346°, 100%, 44%
HSV	346°, 100%, 87%
XYZ	30.7721, 15.7866, 4.7966
YIQ	72.4200, 115.2990, 63.5470

Conversions

Conversions Part 2

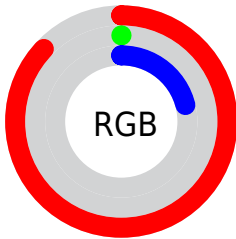
Format	Color
RYB	222, 0, 53
Decimal	14549045
CIELab	46.69, 73.10, 37.46
CIElCh	47, 82.137, 27.131
Yxy	15.7866, 0.5992, 0.3074
Android (android.graphics.Color)	4292739125 (0xFFDE0035)
YUV	72.4200, -9.5741, 131.1817
Hunter-Lab	39.7324, 68.7137, 20.6550

Details

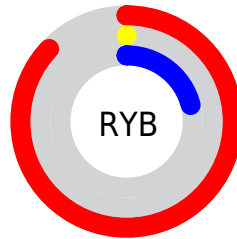
The Yxy color **15.7866, 0.5992, 0.3074** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **55.1177, 0.2469, 0.4088**, and the grayscale version is **6.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4924, 0.5133, 0.3207**, and **7.1923, 0.6312, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **15.7901, 0.5992, 0.3074**, and if you desaturate by 10%, it is **16.5556, 0.5691, 0.2989**.

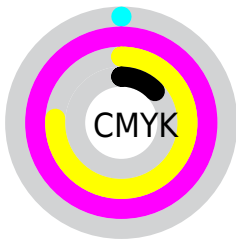
Distribution



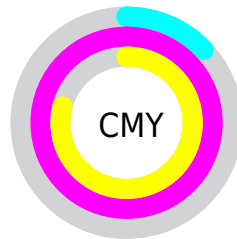
- Red (87%)
- Green (0%)
- Blue (21%)



- Red (87%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7866, 0.5992, 0.3074 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 15.7866, 0.5992, 0.3074 by changing the saturation by 10% instead.


 15.7866, 0.5992,
0.3074


 15.7866, 0.5992,
0.3074


228.0792, 0.4359,
0.3344


 9.3733, 0.6426,
0.2927


 36.2273, 0.5366,
0.3226


 4.9854, 0.6983,
0.2693

 51.0235, 0.5138,
0.3266


 2.2387, 0.7690,
0.2310

 69.3828, 0.4950,
0.3293

 0.7410, 0.8367,
0.1633

 91.6896, 0.4793,
0.3311

 0.0000, 1.0000,
0.0000

 118.3282, 0.4659,
0.3324

 0.0000, 0.0000,
0.0000

 149.6831, 0.4544,

0.3333

186.1386, 0.4445,
0.3339

■ 15.7866, 0.5992,
0.3074

■ 15.7866, 0.5992,
0.3074

■ 15.7901, 0.5992,
0.3074

■ 16.5556, 0.5691,
0.2989

■ 18.0497, 0.5323,
0.2933

■ 20.4943, 0.4925,
0.2917

■ 24.0169, 0.4538,
0.2937

■ 28.7251, 0.4189,
0.2981

■ 34.7132, 0.3888,
0.3039

■ 42.0662, 0.3636,
0.3103

■ 50.8615, 0.3430,
0.3168

■ 61.1709, 0.3263,
0.3231

Harmonies

Analogous

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



15.7866, 0.4870, 0.2313



15.7866, 0.5992, 0.3074



15.7866, 0.5884, 0.3916

Triad

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



15.7866, 0.5992, 0.3074



15.7866, 0.2433, 0.6198



15.7866, 0.1159, 0.1277

Complementary

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



15.7866, 0.5992, 0.3074



55.1177, 0.2469, 0.4088

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.



15.7866, 0.0873, 0.1577



15.7866, 0.5992, 0.3074



15.7866, 0.1402, 0.4366

Square

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



15.7866, 0.5992, 0.3074



15.7866, 0.3704, 0.6096



15.7866, 0.0916, 0.2483



15.7866, 0.1863, 0.1328

Rectangle

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



15.7866, 0.5992, 0.3074



15.7866, 0.5359, 0.4632



15.7866, 0.0916, 0.2483



15.7866, 0.1025, 0.1331

Sweetspot

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



15.7901, 0.5992, 0.3074



57.3209, 0.3642, 0.3101



13.4378, 0.2576, 0.1193



11.3075, 0.3743, 0.3074



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.



15.7901, 0.5992, 0.3074



21.5959, 0.6009, 0.3084



18.3134, 0.6096, 0.3542



13.7539, 0.3255, 0.3234



9.3916, 0.5956, 0.3055



0.6649, 0.5519, 0.2814

Inverse Universe

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



15.7901, 0.5992, 0.3074



21.5959, 0.6009, 0.3084



32.7352, 0.2014, 0.2449



13.7539, 0.3255, 0.3234



9.3916, 0.5956, 0.3055



0.6649, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 15.7866, 0.5992, 0.3074 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 15.7866, 0.5992, 0.3074 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 15.7866, 0.5992, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 15.7866, 0.5992, 0.3074.



This preview shows how white text looks on a background with the Yxy color 15.7866, 0.5992, 0.3074.

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

15.7866, 0.5992, 0.3074

Protanopia

16.4544, 0.3658, 0.3950

Deuteranopia

16.3313, 0.4464, 0.4385



Tritanopia

15.9750, 0.6284, 0.3326

Trichromacy



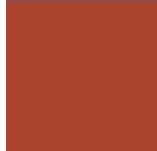
Original Color

15.7866, 0.5992, 0.3074



Protanomaly

12.3460, 0.4720, 0.3326



Deuteranomaly

12.8698, 0.5318, 0.3580



Tritanomaly

15.7701, 0.6223, 0.3251

Monochromacy



Original Color

15.7866, 0.5992, 0.3074



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.8477, 0.4587, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7866, 0.5992, 0.3074 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, 53)` looks like.

```
.text, #text, p{  
  color:rgb(222, 0, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 53) }
```

Border

The CSS property to change the border of an element to Yxy 15.7866, 0.5992, 0.3074 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, 53) }
```

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

```
.border{ border-color:rgb(222, 0, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7866, 0.5992, 0.3074 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, 53) }
```

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

```
.background{ background-color: rgb(222, 0,  
53) }
```

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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