

Converting Colors

$Yxy(16.5433, 0.5895, 0.3021)$

Have a look what the booklet for
Yxy(16.5433, 0.5895, 0.3021)
contains.

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Color

Yxy(16.5057, 0.5897, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	E2003D
RGB	226, 0, 61
RGB Percent	89%, 0%, 24%
CMY	0.1137, 1.0000, 0.7608
CMYK	0.00, 1.00, 0.73, 0.11
HSL	344°, 100%, 44%
HSV	344°, 100%, 89%
XYZ	32.2085, 16.5057, 5.9043
YIQ	74.5280, 115.1150, 66.8830

Conversions

Conversions Part 2

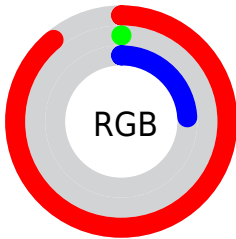
Format	Color
RYB	226, 0, 61
Decimal	14811197
CIELab	47.63, 74.32, 34.01
CIElCh	48, 81.729, 24.589
Yxy	16.5057, 0.5897, 0.3022
Android (android.graphics.Color)	4293001277 (0xFFE2003D)
YUV	74.5280, -6.6693, 132.8409
Hunter-Lab	40.6272, 70.4139, 19.8226

Details

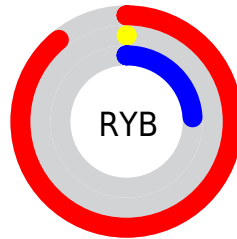
The Yxy color **16.5057, 0.5897, 0.3022** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **57.1136, 0.2500, 0.4202**, and the grayscale version is **6.9440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8249, 0.5023, 0.3141**, and **7.6276, 0.6227, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **16.5070, 0.5897, 0.3022**, and if you desaturate by 10%, it is **17.3101, 0.5592, 0.2931**.

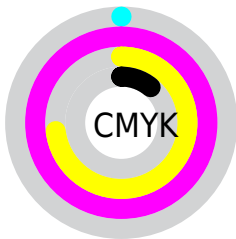
Distribution



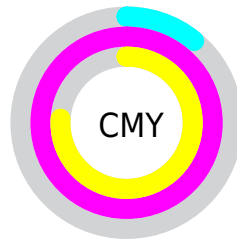
- Red (89%)
- Green (0%)
- Blue (24%)



- Red (89%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5057, 0.5897, 0.3022 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 16.5057, 0.5897, 0.3022 by changing the saturation by 10% instead.

 16.5057, 0.5897,
0.3022


 16.5057, 0.5897,
0.3022


232.3075, 0.4318,
0.3302


 9.8827, 0.6324,
0.2883


 37.4739, 0.5289,
0.3171


 5.3213, 0.6864,
0.2659

 52.5879, 0.5069,
0.3212

 2.4370, 0.7669,
0.2331

 71.3011, 0.4887,
0.3240

 0.8448, 0.8311,
0.1689

 93.9977, 0.4735,
0.3261

 0.0000, 1.0000,
0.0000

 121.0623, 0.4607,
0.3276

 0.0000, 0.0000,
0.0000

 152.8792, 0.4496,

0.3287

189.8328, 0.4401,
0.3295

■ 16.5057, 0.5897,
0.3022

■ 16.5057, 0.5897,
0.3022

■ 16.5070, 0.5897,
0.3022

■ 17.3101, 0.5592,
0.2931

■ 18.8705, 0.5231,
0.2875

■ 21.4173, 0.4848,
0.2863

■ 25.0831, 0.4478,
0.2888

■ 29.9798, 0.4144,
0.2939

■ 36.2056, 0.3857,
0.3005

■ 43.8487, 0.3616,
0.3078

■ 52.9897, 0.3419,
0.3152

■ 63.7031, 0.3258,
0.3223

Harmonies

Analogous

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



16.5057, 0.4702, 0.2269



16.5057, 0.5897, 0.3022



16.5057, 0.5898, 0.3848

Triad

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



16.5057, 0.5897, 0.3022



16.5057, 0.2558, 0.6202



16.5057, 0.1144, 0.1312

Complementary

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



16.5057, 0.5897, 0.3022



57.1136, 0.2500, 0.4202

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.



16.5057, 0.0888, 0.1651



16.5057, 0.5897, 0.3022



16.5057, 0.1499, 0.4533

Square

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



16.5057, 0.5897, 0.3022



16.5057, 0.3821, 0.5981



16.5057, 0.0965, 0.2621



16.5057, 0.1802, 0.1335

Rectangle

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



16.5057, 0.5897, 0.3022



16.5057, 0.5409, 0.4527



16.5057, 0.0965, 0.2621



16.5057, 0.1021, 0.1376

Sweetspot

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



16.5070, 0.5897, 0.3022



57.4306, 0.3621, 0.3077



13.1699, 0.2494, 0.1147



11.3329, 0.3718, 0.3045



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.



16.5070, 0.5897, 0.3022



21.6876, 0.5913, 0.3031



18.3640, 0.6165, 0.3487



13.7610, 0.3250, 0.3227



9.4335, 0.5857, 0.3000



0.6686, 0.5415, 0.2757

Inverse Universe

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



16.5070, 0.5897, 0.3022



21.6876, 0.5913, 0.3031



36.9513, 0.2046, 0.2567



13.7610, 0.3250, 0.3227



9.4335, 0.5857, 0.3000



0.6686, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 16.5057, 0.5897, 0.3022 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 16.5057, 0.5897, 0.3022 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 16.5057, 0.5897, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 16.5057, 0.5897, 0.3022.



This preview shows how white text looks on a background with the Yxy color 16.5057, 0.5897, 0.3022.

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

16.5057, 0.5897, 0.3022

Protanopia

17.1544, 0.3522, 0.3765

Deuteranopia

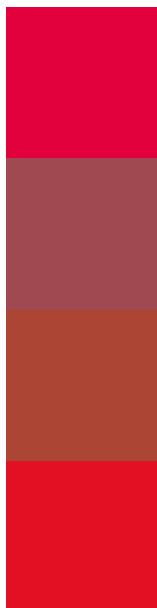
16.9987, 0.4379, 0.4290



Tritanopia

16.7465, 0.6252, 0.3323

Trichromacy



Original Color

16.5057, 0.5897, 0.3022

Protanomaly

12.8179, 0.4554, 0.3185

Deuteranomaly

13.3975, 0.5223, 0.3498

Tritanomaly

16.4936, 0.6175, 0.3231

Monochromacy



Original Color

16.5057, 0.5897, 0.3022

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.3019, 0.4498, 0.2889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5057, 0.5897, 0.3022 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(226, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 61)  
}
```

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(226, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 61) }
```

Border

The CSS property to change the border of an element to Yxy 16.5057, 0.5897, 0.3022 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(226, 0, 61) }
```

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

```
.border{ border-color:rgb(226, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(226, 0, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5057, 0.5897, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 61) }
```

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

```
.background{ background-color: rgb(226, 0,  
61) }
```

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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