

Converting Colors

$Y_{xy}(17.0850, 0.6167, 0.3171)$

Have a look what the booklet for
Yxy(17.0850, 0.6167, 0.3171)
contains.

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Color

Yxy(17.1421, 0.6169, 0.3172)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E70028 |
| RGB | 231, 0, 40 |
| RGB Percent | 91%, 0%, 16% |
| CMY | 0.0941, 0.9998, 0.8430 |
| CMYK | 0.00, 1.00, 0.83, 0.09 |
| HSL | 350°, 100%, 45% |
| HSV | 350°, 100%, 91% |
| XYZ | 33.3385, 17.1421, 3.5614 |
| YIQ | 73.6290, 124.8360, 61.4120 |

Conversions

Conversions Part 2

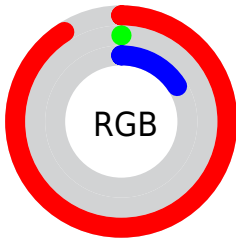
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 231, 0, 40 |
| Decimal | 15138856 |
| CIE _{Lab} | 48.44, 74.87, 47.14 |
| CIE _{LCh} | 48, 88.471, 32.197 |
| Yxy | 17.1421, 0.6169, 0.3172 |
| Android (android.graphics.Color) | 4293328936 (0xFFE70028) |
| YUV | 73.6290, -16.5791, 138.0144 |
| Hunter-Lab | 41.4030, 71.2762, 23.8822 |

Details

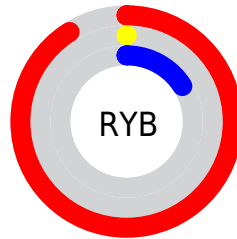
The Yxy color **17.1421, 0.6169, 0.3172** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **60.9143, 0.2405, 0.3856**, and the grayscale version is **6.7972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6024, 0.5278, 0.3339**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1420, 0.6169, 0.3172**, and if you desaturate by 10%, it is **17.9245, 0.5892, 0.3101**.

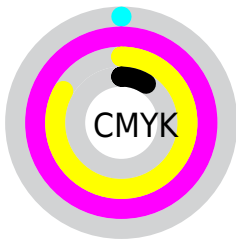
Distribution



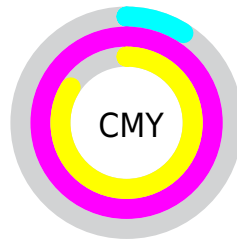
- Red (91%)
- Green (0%)
- Blue (16%)



- Red (91%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1421, 0.6169, 0.3172 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 17.1421, 0.6169, 0.3172 by changing the saturation by 10% instead.


 17.1421, 0.6169,
0.3172


 17.1421, 0.6169,
0.3172


235.9899, 0.4488,
0.3430


 10.3359, 0.6579,
0.3016


 38.5699, 0.5548,
0.3330


 5.6222, 0.7142,
0.2793

 53.9603, 0.5315,
0.3370

 2.6167, 0.7639,
0.2361

 72.9809, 0.5119,
0.3394

 0.9351, 0.8263,
0.1737

 96.0160, 0.4953,
0.3410

 0.0000, 1.0000,
0.0000


 123.4500, 0.4811,
0.3420


 0.0000, 0.0000,
0.0000


 155.6675, 0.4688,

0.3426


 193.0526, 0.4582,
0.3429


 17.1421, 0.6169,
0.3172


 17.1421, 0.6169,
0.3172


 17.1420, 0.6169,
0.3172

 17.9245, 0.5892,
0.3101

 19.5152, 0.5520,
0.3049

 22.1567, 0.5097,
0.3030

 25.9911, 0.4675,
0.3038

 31.1388, 0.4290,
0.3067

■ 37.7051, 0.3958,
0.3108

■ 45.7846, 0.3682,
0.3154

■ 55.4639, 0.3456,
0.3201

■ 66.8230, 0.3274,
0.3247

Harmonies

Analogous

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



17.1421, 0.5222, 0.2398



17.1421, 0.6169, 0.3172



17.1421, 0.5851, 0.4062

Triad

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



17.1421, 0.6169, 0.3172



17.1421, 0.2170, 0.6163



17.1421, 0.1189, 0.1206

Complementary

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



17.1421, 0.6169, 0.3172



60.9143, 0.2405, 0.3856

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.



17.1421, 0.0841, 0.1433



17.1421, 0.6169, 0.3172



17.1421, 0.1208, 0.4012

Square

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



17.1421, 0.6169, 0.3172



17.1421, 0.3445, 0.6332



17.1421, 0.0820, 0.2214



17.1421, 0.1994, 0.1311

Rectangle

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



17.1421, 0.6169, 0.3172



17.1421, 0.5190, 0.4810



17.1421, 0.0820, 0.2214



17.1421, 0.1032, 0.1240

Sweetspot

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



17.1432, 0.6169, 0.3172



57.0945, 0.3686, 0.3153



16.5455, 0.2743, 0.1285



11.2554, 0.3797, 0.3133



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.



17.1432, 0.6169, 0.3172



21.4429, 0.6179, 0.3178



21.7777, 0.5944, 0.3662



14.4085, 0.3265, 0.3250



9.6226, 0.6137, 0.3155



0.7232, 0.5757, 0.2945

Inverse Universe

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



17.1432, 0.6169, 0.3172



21.4429, 0.6179, 0.3178



30.1770, 0.1946, 0.2205



14.4085, 0.3265, 0.3250



9.6226, 0.6137, 0.3155



0.7232, 0.5757, 0.2945

Previews

White Background



This preview shows how the Yxy color 17.1421, 0.6169, 0.3172 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 17.1421, 0.6169, 0.3172 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 17.1421, 0.6169, 0.3172

Background



This preview shows how black text looks on a background with the Yxy color 17.1421, 0.6169, 0.3172.



This preview shows how white text looks on a background with the Yxy color 17.1421, 0.6169, 0.3172.

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

17.1421, 0.6169, 0.3172

Protanopia

17.7599, 0.3936, 0.4278

Deuteranopia

17.7052, 0.4650, 0.4575



Tritanopia

17.3593, 0.6342, 0.3346

Trichromacy



Original Color

17.1421, 0.6169, 0.3172



Protanomaly

13.2804, 0.5054, 0.3558



Deuteranomaly

14.0416, 0.5564, 0.3758



Tritanomaly

17.1453, 0.6315, 0.3295

Monochromacy



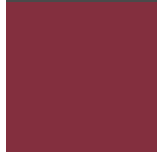
Original Color

17.1421, 0.6169, 0.3172



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.2061, 0.4724, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1421, 0.6169, 0.3172 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(231, 0, 40)` looks like.

```
.text, #text, p{  
    color:rgb(231, 0, 40)  
}
```

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(231, 0, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 0, 40) }
```

Border

The CSS property to change the border of an element to Yxy 17.1421, 0.6169, 0.3172 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(231, 0, 40) }
```

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

```
.border{ border-color:rgb(231, 0, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 0, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 0, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 0, 40);  
box-shadow:4px 4px 4px 4px rgb(231, 0, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.1421, 0.6169, 0.3172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 0, 40) }
```

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

```
.background{ background-color: rgb(231, 0,  
40) }
```

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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