

Converting Colors

$Y_{xy}(16.8190, 0.6277, 0.3232)$

Have a look what the booklet for
Yxy(16.8190, 0.6277, 0.3232)
contains.

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Color

Yxy(16.7371, 0.6276, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	E5001B
RGB	229, 0, 27
RGB Percent	90%, 0%, 11%
CMY	0.1020, 0.9998, 0.8941
CMYK	0.00, 1.00, 0.88, 0.10
HSL	353°, 100%, 45%
HSV	353°, 100%, 90%
XYZ	32.5107, 16.7371, 2.5538
YIQ	71.5490, 127.8170, 56.9450

Conversions

Conversions Part 2

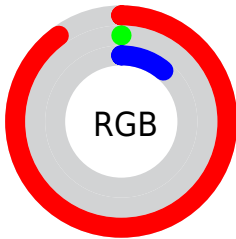
Format	Color
R_{YB}	229, 0, 27
Decimal	15007771
CIE _{Lab}	47.93, 74.13, 52.97
CIE _{LCh}	48, 91.109, 35.548
Yxy	16.7371, 0.6276, 0.3231
Android (android.graphics.Color)	4293197851 (0xFFE5001B)
YUV	71.5490, -21.9627, 138.0845
Hunter-Lab	40.9110, 70.2541, 24.9366

Details

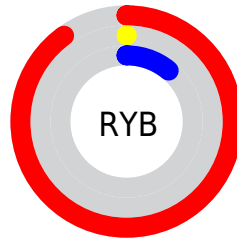
The Yxy color **16.7371, 0.6276, 0.3231** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **60.3053, 0.2352, 0.3666**, and the grayscale version is **6.4271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2366, 0.5428, 0.3434**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.7366, 0.6276, 0.3231**, and if you desaturate by 10%, it is **17.4758, 0.6030, 0.3180**.

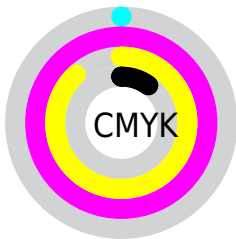
Distribution



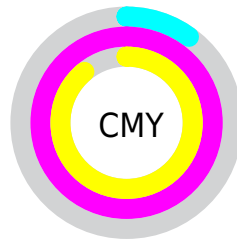
- Red (90%)
- Green (0%)
- Blue (11%)



- Red (90%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7371, 0.6276, 0.3231 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 16.7371, 0.6276, 0.3231 by changing the saturation by 10% instead.


 16.7371, 0.6276,
0.3231


 16.7371, 0.6276,
0.3231


233.6528, 0.4559,
0.3491


 10.0472, 0.6675,
0.3061


 37.8732, 0.5655,
0.3401


 5.4303, 0.7192,
0.2808

 53.0882, 0.5417,
0.3441


 2.5019, 0.7648,
0.2352

 71.9138, 0.5215,
0.3466

 0.8776, 0.8284,
0.1716

 94.7342, 0.5043,
0.3480


 0.0000, 1.0000,
0.0000


 121.9339, 0.4896,
0.3488


 0.0000, 0.0000,
0.0000

 153.8973, 0.4768,


0.3492


 191.0088, 0.4657,
0.3492

 16.7371, 0.6276,
0.3231


 16.7371, 0.6276,
0.3231


 16.7366, 0.6276,
0.3231

 17.4758, 0.6030,
0.3180

 19.0110, 0.5666,
0.3139

 21.5827, 0.5230,
0.3121

 25.3321, 0.4784,
0.3123

 30.3781, 0.4372,
0.3140

■ 36.8253, 0.4015,
0.3167

■ 44.7675, 0.3719,
0.3198

■ 54.2902, 0.3477,
0.3230

■ 65.4727, 0.3283,
0.3261

Harmonies

Analogous

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



16.7371, 0.5470, 0.2451



16.7371, 0.6276, 0.3231



16.7371, 0.5827, 0.4173

Triad

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



16.7371, 0.6276, 0.3231



16.7371, 0.1986, 0.6118



16.7371, 0.1209, 0.1158

Complementary

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



16.7371, 0.6276, 0.3231



60.3053, 0.2352, 0.3666

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.



16.7371, 0.0818, 0.1338



16.7371, 0.6276, 0.3231



16.7371, 0.1080, 0.3762

Square

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



16.7371, 0.6276, 0.3231



16.7371, 0.3260, 0.6508



16.7371, 0.0757, 0.2039



16.7371, 0.2090, 0.1298

Rectangle

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



16.7371, 0.6276, 0.3231



16.7371, 0.5063, 0.4937



16.7371, 0.0757, 0.2039



16.7371, 0.1036, 0.1178

Sweetspot

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



16.7382, 0.6276, 0.3231



56.9095, 0.3724, 0.3198



17.7285, 0.2870, 0.1355



11.2131, 0.3843, 0.3184



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.



16.7382, 0.6276, 0.3231



21.3538, 0.6285, 0.3236



22.9992, 0.5812, 0.3767



14.3954, 0.3274, 0.3263



9.5784, 0.6252, 0.3218



0.7170, 0.5944, 0.3048

Inverse Universe

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



16.7382, 0.6276, 0.3231



21.3538, 0.6285, 0.3236



25.9249, 0.1896, 0.2025



14.3954, 0.3274, 0.3263



9.5784, 0.6252, 0.3218



0.7170, 0.5944, 0.3048

Previews

White Background



This preview shows how the Yxy color 16.7371, 0.6276, 0.3231 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 16.7371, 0.6276, 0.3231 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 16.7371, 0.6276, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 16.7371, 0.6276, 0.3231.



This preview shows how white text looks on a background with the Yxy color 16.7371, 0.6276, 0.3231.

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

16.7371, 0.6276, 0.3231

Protanopia

17.3713, 0.4110, 0.4510

Deuteranopia

17.2629, 0.4697, 0.4652



Tritanopia

17.0303, 0.6341, 0.3347

Trichromacy



Original Color

16.7371, 0.6276, 0.3231



Protanomaly

13.0501, 0.5249, 0.3733



Deuteranomaly

13.6323, 0.5654, 0.3825



Tritanomaly

16.8037, 0.6333, 0.3306

Monochromacy



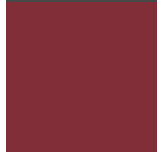
Original Color

16.7371, 0.6276, 0.3231



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.9066, 0.4849, 0.3117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7371, 0.6276, 0.3231 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(229, 0, 27)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 27)  
}
```

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(229, 0, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.7371, 0.6276, 0.3231 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(229, 0, 27) }
```

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

```
.border{ border-color:rgb(229, 0, 27) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7371, 0.6276, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 27) }
```

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

```
.background{ background-color: rgb(229, 0,  
27) }
```

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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