

Converting Colors

$Y_{xy}(17.7440, 0.6219, 0.3306)$

Have a look what the booklet for
Yxy(17.7440, 0.6219, 0.3306)
contains.

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Color

Yxy(17.7937, 0.6223, 0.3306)

Conversions

Conversions Part 1

Format	Color
Hex	E71A18
RGB	231, 26, 24
RGB Percent	91%, 10%, 9%
CMY	0.0941, 0.8982, 0.9058
CMYK	0.00, 0.89, 0.90, 0.09
HSL	1°, 81%, 50%
HSV	1°, 90%, 91%
XYZ	33.4937, 17.7937, 2.5350
YIQ	87.0670, 122.8220, 42.8380

Conversions

Conversions Part 2

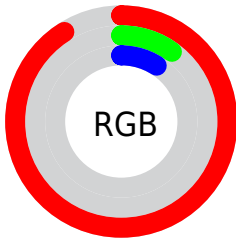
Format	Color
R_{YB}	231, 26, 24
Decimal	15145496
CIE Lab	49.24, 71.94, 55.38
CIE LCh	49, 90.786, 37.591
Yxy	17.7937, 0.6223, 0.3306
Android (android.graphics.Color)	4293335576 (0xFFE71A18)
YUV	87.0670, -31.0920, 126.2292
Hunter-Lab	42.1826, 67.9126, 25.9647

Details

The Yxy color **17.7937, 0.6223, 0.3306** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **62.0518, 0.2252, 0.3262**, and the grayscale version is **9.5910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6516, 0.5381, 0.3519**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.0605, 0.6390, 0.3304**, and if you desaturate by 10%, it is **19.3819, 0.5902, 0.3309**.

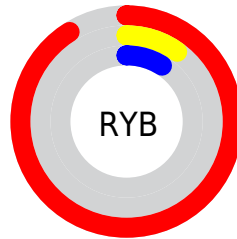
Distribution



Red (91%)

Green (10%)

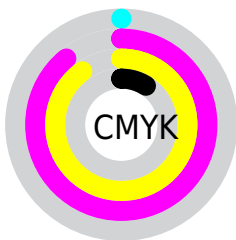
Blue (9%)



Red (91%)

Yellow (10%)

Blue (9%)

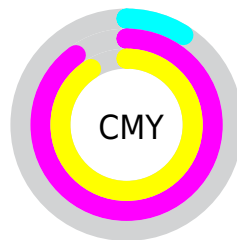


Cyan (0%)

Magenta (89%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (90%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7937, 0.6223, 0.3306 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 17.7937, 0.6223, 0.3306 by changing the saturation by 10% instead.


 17.7937, 0.6223,
0.3306


 17.7937, 0.6223,
0.3306


239.7057, 0.4555,
0.3528


 10.8020, 0.6603,
0.3147


 39.6855, 0.5626,
0.3462


 5.9338, 0.7091,
0.2909

 55.3543, 0.5395,
0.3497

 2.8049, 0.7525,
0.2475

 74.6843, 0.5199,
0.3517

 1.0307, 0.8133,
0.1867

 98.0599, 0.5031,
0.3528


 0.0000, 1.0000,
0.0000


 125.8654, 0.4887,
0.3532

 0.0000, 0.0000,
0.0000


 158.4853, 0.4761,


0.3533

 196.3039, 0.4652,
0.3532

 17.7937, 0.6223,
0.3306


 17.7937, 0.6223,
0.3306


 17.0605, 0.6390,
0.3304

 19.3819, 0.5902,
0.3309

 17.0384, 0.6396,
0.3304

 22.0372, 0.5463,
0.3310

 25.9041, 0.4983,
0.3309

 31.1037, 0.4524,
0.3306

 37.7427, 0.4121,
0.3303

■ 45.9167, 0.3786,
0.3299

■ 55.7134, 0.3513,
0.3296

■ 67.2136, 0.3295,
0.3293

■ 80.4930, 0.3121,
0.3290

Harmonies

Analogous

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



17.7937, 0.5517, 0.2524



17.7937, 0.6223, 0.3306



17.7937, 0.5729, 0.4255

Triad

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



17.7937, 0.6223, 0.3306



17.7937, 0.1942, 0.5919



17.7937, 0.1278, 0.1187

Complementary

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



17.7937, 0.6223, 0.3306



62.0518, 0.2252, 0.3262

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.



17.7937, 0.0862, 0.1345



17.7937, 0.6223, 0.3306



17.7937, 0.1077, 0.3604

Square

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



17.7937, 0.6223, 0.3306



17.7937, 0.3190, 0.6480



17.7937, 0.0782, 0.1996



17.7937, 0.2194, 0.1346

Rectangle

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



17.7937, 0.6223, 0.3306



17.7937, 0.4974, 0.5026



17.7937, 0.0782, 0.1996



17.7937, 0.1095, 0.1201

Sweetspot

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



17.7948, 0.6223, 0.3306



60.2640, 0.3713, 0.3298



23.4167, 0.3208, 0.1574



12.0632, 0.3816, 0.3300



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.



17.7948, 0.6223, 0.3306



21.3116, 0.6396, 0.3303



32.3722, 0.5221, 0.4144



14.3894, 0.3292, 0.3293



9.5604, 0.6394, 0.3305



0.7141, 0.6374, 0.3321

Inverse Universe

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



62.0518, 0.2252, 0.3262



77.2326, 0.2239, 0.3259



21.2795, 0.1837, 0.1740



16.3121, 0.2982, 0.3287



34.6140, 0.2239, 0.3259



2.5653, 0.2240, 0.3264

Previews

White Background



This preview shows how the Yxy color 17.7937, 0.6223, 0.3306 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 17.7937, 0.6223, 0.3306 looks on a black 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

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

Yxy 17.7937, 0.6223, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 17.7937, 0.6223, 0.3306.



This preview shows how white text looks on a background with the Yxy color 17.7937, 0.6223, 0.3306.

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

17.7937, 0.6223, 0.3306

Protanopia

18.0368, 0.4173, 0.4582

Deuteranopia

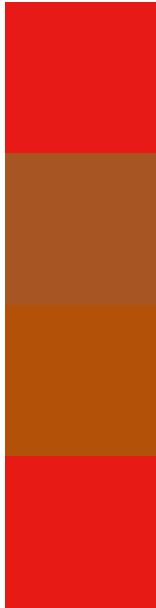
17.9779, 0.4703, 0.4648



Tritanopia

17.7782, 0.6246, 0.3319

Trichromacy



Original Color

17.7937, 0.6223, 0.3306

Protanomaly

14.9492, 0.5164, 0.3915

Deuteranomaly

15.4883, 0.5508, 0.3953

Tritanomaly

17.7819, 0.6240, 0.3316

Monochromacy



Original Color

17.7937, 0.6223, 0.3306

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6397, 0.4626, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7937, 0.6223, 0.3306 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, 26, 24)` looks like.

```
.text, #text, p{  
    color:rgb(231, 26, 24)  
}
```

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, 26, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 26, 24) }
```

Border

The CSS property to change the border of an element to Yxy 17.7937, 0.6223, 0.3306 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, 26, 24) }
```

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

```
.border{ border-color:rgb(231, 26, 24) }
```

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

Here you see how a box with a 4 pixel rgb(231, 26, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 26, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 26, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 26,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7937, 0.6223, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 26, 24) }
```

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

```
.background{ background-color: rgb(231, 26,  
24) }
```

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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