

Converting Colors

$Y_{xy}(18.7835, 0.5731, 0.3201)$

Have a look what the booklet for
Yxy(18.7835, 0.5731, 0.3201)
contains.

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Color

Yxy(18.7817, 0.5727, 0.3203)

Conversions

Conversions Part 1

Format	Color
Hex	E3303D
RGB	227, 48, 61
RGB Percent	89%, 19%, 24%
CMY	0.1097, 0.8118, 0.7607
CMYK	0.00, 0.79, 0.73, 0.11
HSL	356°, 76%, 54%
HSV	356°, 79%, 89%
XYZ	33.5819, 18.7817, 6.2742
YIQ	103.0030, 102.5110, 41.9910

Conversions

Conversions Part 2

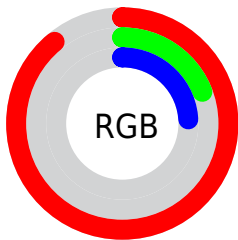
Format	Color
RYB	227, 48, 61
Decimal	14889021
CIELab	50.43, 67.14, 37.29
CIElCh	50, 76.795, 29.047
Yxy	18.7817, 0.5727, 0.3203
Android (android.graphics.Color)	4293079101 (0xFFE3303D)
YUV	103.0030, -20.7075, 108.7454
Hunter-Lab	43.3379, 62.4759, 21.7528

Details

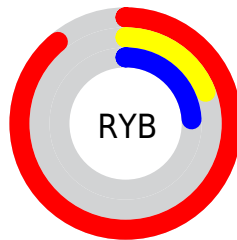
The Yxy color **18.7817, 0.5727, 0.3203** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **60.4271, 0.2341, 0.3466**, and the grayscale version is **13.5986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7330, 0.4882, 0.3314**, and **7.8302, 0.6254, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **17.1936, 0.6091, 0.3230**, and if you desaturate by 10%, it is **21.4098, 0.5281, 0.3190**.

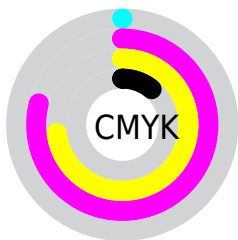
Distribution



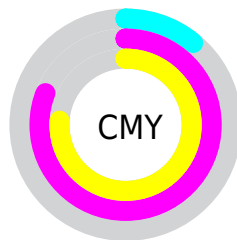
- Red (89%)
- Green (19%)
- Blue (24%)



- Red (89%)
- Yellow (19%)
- Blue (24%)



- Cyan (0%)
- Magenta (79%)
- Yellow (73%)
- Black (11%)





- Cyan (11%)
- Magenta (81%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7817, 0.5727, 0.3203 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 18.7817, 0.5727, 0.3203 by changing the saturation by 10% instead.


 18.7817, 0.5727,
0.3203


 18.7817, 0.5727,
0.3203


245.2410, 0.4268,
0.3378


 11.5126, 0.6113,
0.3096


 41.3649, 0.5171,
0.3310


 6.4128, 0.6600,
0.2916


 57.4478, 0.4969,
0.3336

 3.0977, 0.7344,
0.2656

 77.2375, 0.4800,
0.3353

 1.1829, 0.7923,
0.2077

 101.1183, 0.4659,
0.3364

 0.0477, 0.9767,
0.0233

 129.4747, 0.4539,
0.3370

 0.0000, 1.0000,
0.0000

 162.6910, 0.4436,

 0.0000, 0.0000,

0.3375

0.0000

201.1516, 0.4347,
0.3377

■ 18.7817, 0.5727,
0.3203

■ 18.7817, 0.5727,
0.3203

■ 17.1936, 0.6091,
0.3230

■ 21.4098, 0.5281,
0.3190

■ 16.4360, 0.6319,
0.3263

■ 25.2113, 0.4820,
0.3190

■ 16.3722, 0.6337,
0.3265

■ 30.3034, 0.4393,
0.3201

■ 36.7880, 0.4024,
0.3217

■ 44.7570, 0.3718,
0.3236

 54.2945, 0.3470,
0.3255

 65.4781, 0.3270,
0.3274

 78.3804, 0.3111,
0.3292

 93.0696, 0.2983,
0.3308

Harmonies

Analogous

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



18.7817, 0.4770, 0.2461



18.7817, 0.5727, 0.3203



18.7817, 0.5638, 0.4026

Triad

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



18.7817, 0.5727, 0.3203



18.7817, 0.2494, 0.5747



18.7817, 0.1337, 0.1426

Complementary

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



18.7817, 0.5727, 0.3203



60.4271, 0.2341, 0.3466

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.



18.7817, 0.1039, 0.1706



18.7817, 0.5727, 0.3203



18.7817, 0.1536, 0.4123

Square

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



18.7817, 0.5727, 0.3203



18.7817, 0.3673, 0.5873



18.7817, 0.1076, 0.2524



18.7817, 0.2043, 0.1489

Rectangle

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



18.7817, 0.5727, 0.3203



18.7817, 0.5140, 0.4659



18.7817, 0.1076, 0.2524



18.7817, 0.1199, 0.1475

Sweetspot

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



18.7828, 0.5727, 0.3203



63.8438, 0.3594, 0.3245



21.6704, 0.3042, 0.1566



12.7459, 0.3687, 0.3238



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.



18.7828, 0.5727, 0.3203



21.6373, 0.6259, 0.3254



30.6080, 0.5131, 0.4002



14.3849, 0.3281, 0.3273



9.5533, 0.6320, 0.3255



0.7120, 0.6108, 0.3138

Inverse Universe

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



18.7828, 0.5727, 0.3203



21.6373, 0.6259, 0.3254



28.7669, 0.1999, 0.2179



14.3849, 0.3281, 0.3273



9.5533, 0.6320, 0.3255



0.7120, 0.6108, 0.3138

Previews

White Background



This preview shows how the Yxy color 18.7817, 0.5727, 0.3203 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7817, 0.5727, 0.3203 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 18.7817, 0.5727, 0.3203

Background



This preview shows how black text looks on a background with the Yxy color 18.7817, 0.5727, 0.3203.



This preview shows how white text looks on a background with the Yxy color 18.7817, 0.5727, 0.3203.

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

18.7817, 0.5727, 0.3203

Protanopia

19.0764, 0.3676, 0.3966

Deuteranopia

18.9758, 0.4390, 0.4320



Tritanopia

18.8511, 0.5834, 0.3291

Trichromacy



Original Color

18.7817, 0.5727, 0.3203

Protanomaly

16.5265, 0.4500, 0.3571

Deuteranomaly

17.2135, 0.4994, 0.3775

Tritanomaly

18.8034, 0.5795, 0.3256

Monochromacy



Original Color

18.7817, 0.5727, 0.3203

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1870, 0.4149, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7817, 0.5727, 0.3203 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(227, 48, 61)` looks like.

```
.text, #text, p{  
    color:rgb(227, 48, 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(227, 48, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 48, 61) }
```

Border

The CSS property to change the border of an element to Yxy 18.7817, 0.5727, 0.3203 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(227, 48, 61) }
```

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

```
.border{ border-color:rgb(227, 48, 61) }
```

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

Here you see how a box with a 4 pixel rgb(227, 48, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 48, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 48, 61);  
box-shadow:4px 4px 4px 4px rgb(227, 48,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7817, 0.5727, 0.3203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 48, 61) }
```

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

```
.background{ background-color: rgb(227, 48,  
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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