

Converting Colors

$Y_{xy}(17.3165, 0.6107, 0.3256)$

Have a look what the booklet for
Yxy(17.3165, 0.6107, 0.3256)
contains.

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Color

Yxy(17.2950, 0.6107, 0.3257)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E31C25 |
| RGB | 227, 28, 37 |
| RGB Percent | 89%, 11%, 15% |
| CMY | 0.1098, 0.8902, 0.8550 |
| CMYK | 0.00, 0.88, 0.84, 0.11 |
| HSL | 357°, 78%, 50% |
| HSV | 357°, 88%, 89% |
| XYZ | 32.4288, 17.2950, 3.3772 |
| YIQ | 88.5270, 115.7150, 44.9870 |

Conversions

Conversions Part 2

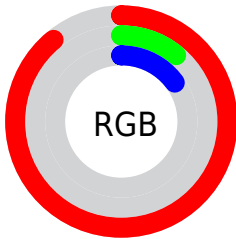
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 227, 28, 37 |
| Decimal | 14883877 |
| CIE Lab | 48.63, 70.81, 48.59 |
| CIE LCh | 49, 85.876, 34.460 |
| Yxy | 17.2950, 0.6107, 0.3257 |
| Android (android.graphics.Color) | 4293073957 (0xFFE31C25) |
| YUV | 88.5270, -25.4028, 121.4408 |
| Hunter-Lab | 41.5873, 66.4125, 24.2962 |

Details

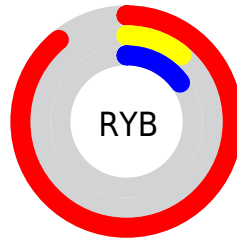
The Yxy color **17.2950, 0.6107, 0.3257** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **60.2520, 0.2298, 0.3410**, and the grayscale version is **9.9189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8238, 0.5258, 0.3426**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4823, 0.6330, 0.3278**, and if you desaturate by 10%, it is **18.9863, 0.5739, 0.3240**.

Distribution



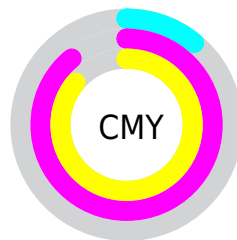
- Red (89%)
- Green (11%)
- Blue (15%)



- Red (89%)
- Yellow (11%)
- Blue (15%)



- Cyan (0%)
- Magenta (88%)
- Yellow (84%)
- Black (11%)




- Cyan (11%)
- Magenta (89%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2950, 0.6107, 0.3257 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 17.2950, 0.6107, 0.3257 by changing the saturation by 10% instead.


 17.2950, 0.6107,
0.3257


 17.2950, 0.6107,
0.3257


236.8667, 0.4464,
0.3470


 10.4450, 0.6505,
0.3110


 38.8323, 0.5502,
0.3400


 5.6950, 0.7068,
0.2904

 54.2884, 0.5274,
0.3433


 2.6605, 0.7529,
0.2471

 73.3820, 0.5082,
0.3452

 0.9572, 0.8149,
0.1851

 96.4976, 0.4919,
0.3463

 0.0000, 1.0000,
0.0000


 124.0194, 0.4780,
0.3469


 0.0000, 0.0000,
0.0000


 156.3320, 0.4660,

0.3471


 193.8196, 0.4556,
0.3471


 17.2950, 0.6107,
0.3257

 17.2950, 0.6107,
0.3257


 16.4823, 0.6330,
0.3278

 18.9863, 0.5739,
0.3240


 16.3541, 0.6364,
0.3279

 21.7350, 0.5285,
0.3231


 25.6772, 0.4816,
0.3231

 30.9279, 0.4383,
0.3238

 37.5884, 0.4010,
0.3247

 45.7504, 0.3702,
0.3259

 55.4975, 0.3453,
0.3270

 66.9073, 0.3253,
0.3282

 80.0524, 0.3093,
0.3292

Harmonies

Analogous

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



17.2950, 0.5272, 0.2482



17.2950, 0.6107, 0.3257



17.2950, 0.5740, 0.4153

Triad

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



17.2950, 0.6107, 0.3257



17.2950, 0.2126, 0.5946



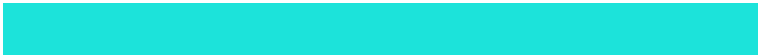
17.2950, 0.1269, 0.1244

Complementary

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



17.2950, 0.6107, 0.3257



60.2520, 0.2298, 0.3410

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.



17.2950, 0.0895, 0.1444



17.2950, 0.6107, 0.3257



17.2950, 0.1209, 0.3828

Square

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



17.2950, 0.6107, 0.3257



17.2950, 0.3369, 0.6299



17.2950, 0.0854, 0.2165



17.2950, 0.2108, 0.1369

Rectangle

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



17.2950, 0.6107, 0.3257



17.2950, 0.5093, 0.4907



17.2950, 0.0854, 0.2165



17.2950, 0.1102, 0.1270

Sweetspot

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



17.2961, 0.6107, 0.3257



61.3182, 0.3661, 0.3260



21.1375, 0.3097, 0.1526



12.2599, 0.3758, 0.3256



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.



17.2961, 0.6107, 0.3257



21.2853, 0.6369, 0.3282



29.2685, 0.5299, 0.4047



14.3785, 0.3285, 0.3280



9.5419, 0.6351, 0.3273



0.7088, 0.6215, 0.3198

Inverse Universe

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



17.2961, 0.6107, 0.3257



21.2853, 0.6369, 0.3282



23.8149, 0.1896, 0.1933



14.3785, 0.3285, 0.3280



9.5419, 0.6351, 0.3273



0.7088, 0.6215, 0.3198

Previews

White Background



This preview shows how the Yxy color 17.2950, 0.6107, 0.3257 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 17.2950, 0.6107, 0.3257 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 17.2950, 0.6107, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 17.2950, 0.6107, 0.3257.



This preview shows how white text looks on a background with the Yxy color 17.2950, 0.6107, 0.3257.

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

17.2950, 0.6107, 0.3257

Protanopia

17.6952, 0.4001, 0.4376

Deuteranopia

17.3791, 0.4676, 0.4599



Tritanopia

17.3340, 0.6184, 0.3315

Trichromacy



Original Color

17.2950, 0.6107, 0.3257

Protanomaly

14.7266, 0.4971, 0.3785

Deuteranomaly

15.0179, 0.5446, 0.3913

Tritanomaly

17.3034, 0.6160, 0.3295

Monochromacy



Original Color

17.2950, 0.6107, 0.3257

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9455, 0.4483, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2950, 0.6107, 0.3257 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, 28, 37)` looks like.

```
.text, #text, p{  
    color:rgb(227, 28, 37)  
}
```

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, 28, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 28, 37) }
```

Border

The CSS property to change the border of an element to Yxy 17.2950, 0.6107, 0.3257 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, 28, 37) }
```

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

```
.border{ border-color:rgb(227, 28, 37) }
```

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

Here you see how a box with a 4 pixel rgb(227, 28, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 28, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 28, 37);  
box-shadow:4px 4px 4px 4px rgb(227, 28,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2950, 0.6107, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 28, 37) }
```

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

```
.background{ background-color: rgb(227, 28,  
37) }
```

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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