

Converting Colors

$Y_{xy}(19.8137, 0.6035, 0.3309)$

Have a look what the booklet for
Yxy(19.8137, 0.6035, 0.3309)
contains.

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Color

Yxy(19.8137, 0.6035, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	ED2A28
RGB	237, 42, 40
RGB Percent	93%, 16%, 16%
CMY	0.0706, 0.8352, 0.8431
CMYK	0.00, 0.82, 0.83, 0.07
HSL	1°, 85%, 54%
HSV	1°, 83%, 93%
XYZ	36.1365, 19.8137, 3.9280
YIQ	100.0770, 116.8620, 40.7180

Conversions

Conversions Part 2

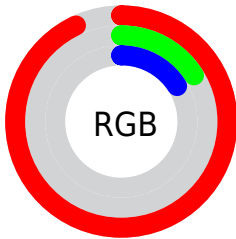
Format	Color
RYB	237, 42, 40
Decimal	15542824
CIELab	51.63, 70.73, 50.51
CIELCh	52, 86.914, 35.533
Yxy	19.8137, 0.6035, 0.3309
Android (android.graphics.Color)	4293732904 (0xFFED2A28)
YUV	100.0770, -29.6180, 120.0815
Hunter-Lab	44.5126, 67.0140, 25.9268

Details

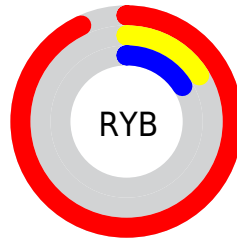
The Yxy color **19.8137, 0.6035, 0.3309** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.9787, 0.2267, 0.3262**, and the grayscale version is **12.8218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6897, 0.5143, 0.3476**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.4939, 0.6299, 0.3305**, and if you desaturate by 10%, it is **22.2068, 0.5630, 0.3311**.

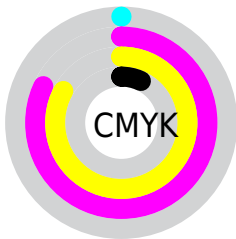
Distribution



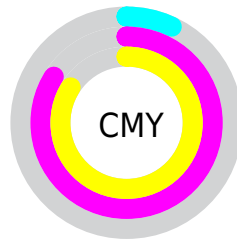
- Red (93%)
- Green (16%)
- Blue (16%)



- Red (93%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (82%)
- Yellow (83%)
- Black (7%)





- Cyan (7%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8137, 0.6035, 0.3309 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 19.8137, 0.6035, 0.3309 by changing the saturation by 10% instead.


 19.8137, 0.6035,
0.3309


 19.8137, 0.6035,
0.3309


250.9048, 0.4462,
0.3488

 12.2597, 0.6409,
0.3180


 43.1046, 0.5463,
0.3434


 6.9208, 0.6895,
0.2984


 59.6103, 0.5245,
0.3462


 3.4126, 0.7379,
0.2621


 79.8687, 0.5061,
0.3479

 1.3508, 0.7938,
0.2062

 104.2642, 0.4905,
0.3487

 0.1800, 0.9303,
0.0697

 133.1811, 0.4770,
0.3491

 0.0000, 1.0000,
0.0000

 167.0039, 0.4654,

 0.0000, 0.0000,

0.3492

0.0000

206.1170, 0.4552,
0.3491

■ 19.8137, 0.6035,
0.3309

■ 19.8137, 0.6035,
0.3309

■ 18.4939, 0.6299,
0.3305

■ 22.2068, 0.5630,
0.3311


■ 18.0570, 0.6395,
0.3304


■ 25.8330, 0.5155,
0.3311


■ 30.8297, 0.4683,
0.3308

■ 37.3146, 0.4257,
0.3305

■ 45.3934, 0.3898,
0.3301

 55.1617, 0.3603,
0.3298

 66.7079, 0.3367,
0.3294

 80.1140, 0.3178,
0.3291

 95.4571, 0.3027,
0.3288

Harmonies

Analogous

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



19.8137, 0.5256, 0.2536



19.8137, 0.6035, 0.3309



19.8137, 0.5657, 0.4197

Triad

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



19.8137, 0.6035, 0.3309



19.8137, 0.2128, 0.5789



19.8137, 0.1328, 0.1284

Complementary

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



19.8137, 0.6035, 0.3309



65.9787, 0.2267, 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.



19.8137, 0.0943, 0.1473



19.8137, 0.6035, 0.3309



19.8137, 0.1237, 0.3743

Square

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



19.8137, 0.6035, 0.3309



19.8137, 0.3350, 0.6237



19.8137, 0.0894, 0.2165



19.8137, 0.2177, 0.1418

Rectangle

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



19.8137, 0.6035, 0.3309



19.8137, 0.5024, 0.4934



19.8137, 0.0894, 0.2165



19.8137, 0.1157, 0.1307

Sweetspot

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



19.8149, 0.6035, 0.3309



62.6878, 0.3657, 0.3298



25.6373, 0.3206, 0.1612



12.5277, 0.3758, 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.



19.8149, 0.6035, 0.3309



21.3164, 0.6396, 0.3304



36.4800, 0.5073, 0.4162



15.0786, 0.3293, 0.3293



9.8698, 0.6393, 0.3306



0.7837, 0.6372, 0.3322

Inverse Universe

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



65.9787, 0.2267, 0.3262



77.0935, 0.2238, 0.3256



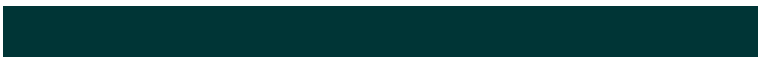
24.8878, 0.1893, 0.1860



17.0940, 0.2981, 0.3287



35.6608, 0.2238, 0.3257



2.8087, 0.2239, 0.3261

Previews

White Background



This preview shows how the Yxy color 19.8137, 0.6035, 0.3309 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 19.8137, 0.6035, 0.3309 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 19.8137, 0.6035, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 19.8137, 0.6035, 0.3309.



This preview shows how white text looks on a background with the Yxy color 19.8137, 0.6035, 0.3309.

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

19.8137, 0.6035, 0.3309

Protanopia

20.0706, 0.4014, 0.4386

Deuteranopia

19.8310, 0.4659, 0.4580



Tritanopia

19.8205, 0.6026, 0.3304

Trichromacy



Original Color

19.8137, 0.6035, 0.3309

Protanomaly

17.1467, 0.4911, 0.3849

Deuteranomaly

17.6968, 0.5343, 0.3967

Tritanomaly

19.8205, 0.6026, 0.3304

Monochromacy



Original Color

19.8137, 0.6035, 0.3309

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6261, 0.4392, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8137, 0.6035, 0.3309 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(237, 42, 40)` looks like.

```
.text, #text, p{  
    color:rgb(237, 42, 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(237, 42, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 42, 40) }
```

Border

The CSS property to change the border of an element to Yxy 19.8137, 0.6035, 0.3309 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(237, 42, 40) }
```

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

```
.border{ border-color:rgb(237, 42, 40) }
```

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

Here you see how a box with a 4 pixel rgb(237, 42, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 42, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 42, 40);  
box-shadow:4px 4px 4px 4px rgb(237, 42,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8137, 0.6035, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 42, 40) }
```

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

```
.background{ background-color: rgb(237, 42,  
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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