

Converting Colors

$Y_{xy}(19.3303, 0.5893, 0.3170)$

Have a look what the booklet for
Yxy(19.3303, 0.5893, 0.3170)
contains.

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Color

Yxy(19.3303, 0.5893, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	EC2339
RGB	236, 35, 57
RGB Percent	93%, 14%, 22%
CMY	0.0745, 0.8628, 0.7763
CMYK	0.00, 0.85, 0.76, 0.07
HSL	353°, 84%, 53%
HSV	353°, 85%, 93%
XYZ	35.9348, 19.3303, 5.7137
YIQ	97.6070, 112.7340, 49.4540

Conversions

Conversions Part 2

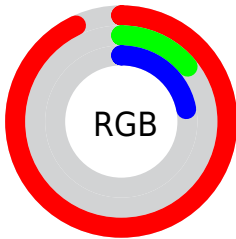
Format	Color
RYB	236, 35, 57
Decimal	15475513
CIELab	51.07, 72.44, 40.76
CIELCh	51, 83.125, 29.366
Yxy	19.3303, 0.5893, 0.3170
Android (android.graphics.Color)	4293665593 (0xFFEC2339)
YUV	97.6070, -20.0193, 121.3707
Hunter-Lab	43.9662, 68.9522, 23.0712

Details

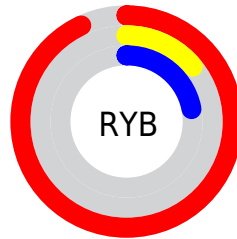
The Yxy color **19.3303, 0.5893, 0.3170** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.2057, 0.2354, 0.3584**, and the grayscale version is **12.1406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1601, 0.4989, 0.3296**, and **8.6924, 0.6296, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **18.2103, 0.6192, 0.3218**, and if you desaturate by 10%, it is **21.4709, 0.5487, 0.3140**.

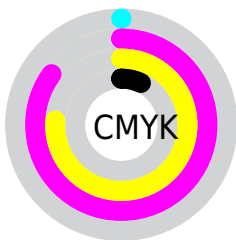
Distribution



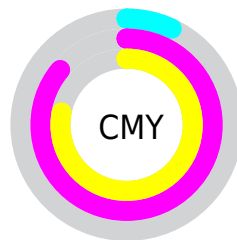
- Red (93%)
- Green (14%)
- Blue (22%)



- Red (93%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (85%)
- Yellow (76%)
- Black (7%)





- Cyan (7%)
- Magenta (86%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3303, 0.5893, 0.3170 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 19.3303, 0.5893, 0.3170 by changing the saturation by 10% instead.


 19.3303, 0.5893,
0.3170

 19.3303, 0.5893,
0.3170


248.2662, 0.4361,
0.3382


 11.9092, 0.6285,
0.3048


 42.2915, 0.5318,
0.3295


 6.6819, 0.6769,
0.2850


 58.6004, 0.5105,
0.3327

 3.2640, 0.7448,
0.2552

 78.6406, 0.4928,
0.3348

 1.2710, 0.8019,
0.1981

 102.7966, 0.4778,
0.3362

 0.1186, 0.9523,
0.0477

 131.4528, 0.4650,
0.3371

 0.0000, 1.0000,
0.0000

 164.9935, 0.4540,

 0.0000, 0.0000,

0.3376

0.0000

203.8032, 0.4445,
0.3380

■ 19.3303, 0.5893,
0.3170

■ 19.3303, 0.5893,
0.3170

■ 18.2103, 0.6192,
0.3218

■ 21.4709, 0.5487,
0.3140

■ 17.9085, 0.6291,
0.3239

■ 24.7995, 0.5036,
0.3132

■ 29.4570, 0.4598,
0.3141

■ 35.5636, 0.4206,
0.3162

■ 43.2261, 0.3874,
0.3189

 52.5412, 0.3602,
0.3219

 63.5978, 0.3381,
0.3248

 76.4784, 0.3205,
0.3276

 91.2602, 0.3063,
0.3302

Harmonies

Analogous

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



19.3303, 0.4896, 0.2413



19.3303, 0.5893, 0.3170



19.3303, 0.5746, 0.4011

Triad

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



19.3303, 0.5893, 0.3170



19.3303, 0.2408, 0.5944



19.3303, 0.1260, 0.1339

Complementary

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



19.3303, 0.5893, 0.3170



65.2057, 0.2354, 0.3584

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.



19.3303, 0.0952, 0.1611



19.3303, 0.5893, 0.3170



19.3303, 0.1428, 0.4155

Square

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



19.3303, 0.5893, 0.3170



19.3303, 0.3631, 0.6027



19.3303, 0.0977, 0.2443



19.3303, 0.1989, 0.1409

Rectangle

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



19.3303, 0.5893, 0.3170



19.3303, 0.5204, 0.4688



19.3303, 0.0977, 0.2443



19.3303, 0.1118, 0.1385

Sweetspot

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



19.3315, 0.5893, 0.3170



61.5106, 0.3625, 0.3216



21.3378, 0.2957, 0.1465



12.3040, 0.3715, 0.3205



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.



19.3315, 0.5893, 0.3170



21.3437, 0.6297, 0.3242



29.5539, 0.5398, 0.3920



15.0809, 0.3276, 0.3264



9.8798, 0.6267, 0.3226



0.7848, 0.5989, 0.3073

Inverse Universe

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



19.3315, 0.5893, 0.3170



21.3437, 0.6297, 0.3242



31.1929, 0.1969, 0.2177



15.0809, 0.3276, 0.3264



9.8798, 0.6267, 0.3226



0.7848, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 19.3303, 0.5893, 0.3170 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 19.3303, 0.5893, 0.3170 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 19.3303, 0.5893, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 19.3303, 0.5893, 0.3170.



This preview shows how white text looks on a background with the Yxy color 19.3303, 0.5893, 0.3170.

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

19.3303, 0.5893, 0.3170

Protanopia

19.4491, 0.3721, 0.4012

Deuteranopia

19.4449, 0.4471, 0.4382



Tritanopia

19.4175, 0.6075, 0.3309

Trichromacy



Original Color

19.3303, 0.5893, 0.3170

Protanomaly

16.3528, 0.4635, 0.3530

Deuteranomaly

17.1054, 0.5155, 0.3754

Tritanomaly

19.4009, 0.6018, 0.3267

Monochromacy



Original Color

19.3303, 0.5893, 0.3170

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.9526, 0.4301, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3303, 0.5893, 0.3170 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(236, 35, 57)` looks like.

```
.text, #text, p{  
    color:rgb(236, 35, 57)  
}
```

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(236, 35, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 35, 57) }
```

Border

The CSS property to change the border of an element to Yxy 19.3303, 0.5893, 0.3170 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(236, 35, 57) }
```

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

```
.border{ border-color:rgb(236, 35, 57) }
```

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

Here you see how a box with a 4 pixel rgb(236, 35, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 35, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 35, 57);  
box-shadow:4px 4px 4px 4px rgb(236, 35,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3303, 0.5893, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 35, 57) }
```

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

```
.background{ background-color: rgb(236, 35,  
57) }
```

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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