

Converting Colors

$Yxy(19.3973, 0.5925, 0.3302)$

Have a look what the booklet for
Yxy(19.3973, 0.5925, 0.3302)
contains.

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Color

Yxy(19.3861, 0.5930, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	E82F2E
RGB	232, 47, 46
RGB Percent	91%, 18%, 18%
CMY	0.0901, 0.8158, 0.8195
CMYK	0.00, 0.80, 0.80, 0.09
HSL	0°, 80%, 55%
HSV	0°, 80%, 91%
XYZ	34.7941, 19.3861, 4.4945
YIQ	102.2010, 110.5810, 38.9090

Conversions

Conversions Part 2

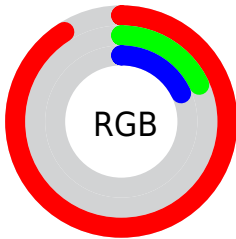
Format	Color
R_{YB}	232, 47, 46
Decimal	15216430
CIE Lab	51.14, 68.30, 46.63
CIE LCh	51, 82.700, 34.324
Yxy	19.3861, 0.5930, 0.3304
Android (android.graphics.Color)	4293406510 (0xFFE82F2E)
YUV	102.2010, -27.7071, 113.8337
Hunter-Lab	44.0296, 64.0062, 24.7685

Details

The Yxy color **19.3861, 0.5930, 0.3304** 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 **63.6001, 0.2281, 0.3275**, and the grayscale version is **13.3913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2022, 0.5073, 0.3452**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.8691, 0.6241, 0.3303**, and if you desaturate by 10%, it is **21.9786, 0.5496, 0.3304**.

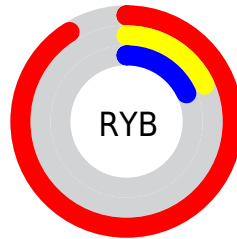
Distribution



Red (91%)

Green (18%)

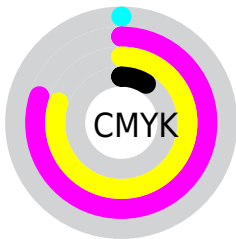
Blue (18%)



Red (91%)

Yellow (18%)

Blue (18%)

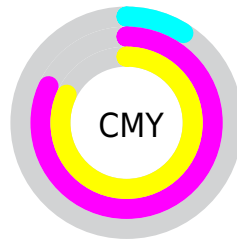


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (9%)



Cyan (9%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3861, 0.5930, 0.3304 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 19.3861, 0.5930, 0.3304 by changing the saturation by 10% instead.


 19.3861, 0.5930,
0.3304


 19.3861, 0.5930,
0.3304


248.5720, 0.4394,
0.3465

 11.9496, 0.6309,
0.3185

 42.3855, 0.5362,
0.3418


 6.7094, 0.6787,
0.2993


 58.7172, 0.5149,
0.3443


 3.2810, 0.7340,
0.2660


 78.7827, 0.4970,
0.3457

 1.2801, 0.7907,
0.2093

 102.9665, 0.4819,
0.3465

 0.1258, 0.9456,
0.0544

 131.6530, 0.4689,
0.3468

 0.0000, 1.0000,
0.0000

 165.2264, 0.4577,

 0.0000, 0.0000,

0.3469

0.0000

204.0713, 0.4480,
0.3468

■ 19.3861, 0.5930,
0.3304

■ 19.3861, 0.5930,
0.3304

■ 17.8691, 0.6241,
0.3303

■ 21.9786, 0.5496,
0.3304


■ 17.1852, 0.6398,
0.3302


■ 25.7919, 0.5015,
0.3303

■ 30.9529, 0.4552,
0.3301


■ 37.5713, 0.4145,
0.3299

■ 45.7458, 0.3804,
0.3296

 55.5665, 0.3528,
0.3294

 67.1165, 0.3306,
0.3292

 80.4735, 0.3130,
0.3290

 95.7103, 0.2988,
0.3288

Harmonies

Analogous

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



19.3861, 0.5120, 0.2539



19.3861, 0.5930, 0.3304



19.3861, 0.5625, 0.4170

Triad

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



19.3861, 0.5930, 0.3304



19.3861, 0.2226, 0.5723



19.3861, 0.1354, 0.1337

Complementary

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



19.3861, 0.5930, 0.3304



63.6001, 0.2281, 0.3275

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.



19.3861, 0.0987, 0.1544



19.3861, 0.5930, 0.3304



19.3861, 0.1325, 0.3814

Square

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



19.3861, 0.5930, 0.3304



19.3861, 0.3429, 0.6112



19.3861, 0.0957, 0.2257



19.3861, 0.2167, 0.1457

Rectangle

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



19.3861, 0.5930, 0.3304



19.3861, 0.5030, 0.4867



19.3861, 0.0957, 0.2257



19.3861, 0.1191, 0.1365

Sweetspot

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



19.3873, 0.5930, 0.3304



63.7799, 0.3630, 0.3295



24.9422, 0.3205, 0.1637



12.7310, 0.3731, 0.3296



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.



19.3873, 0.5930, 0.3304



21.5322, 0.6351, 0.3302



35.8277, 0.4997, 0.4162



14.3797, 0.3292, 0.3292



9.5440, 0.6397, 0.3303



0.7095, 0.6386, 0.3312

Inverse Universe

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



63.6001, 0.2281, 0.3275



78.0099, 0.2246, 0.3272



24.8795, 0.1923, 0.1919



16.3231, 0.2982, 0.3288



34.9113, 0.2242, 0.3272



2.5839, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 19.3861, 0.5930, 0.3304 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 19.3861, 0.5930, 0.3304 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 19.3861, 0.5930, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 19.3861, 0.5930, 0.3304.



This preview shows how white text looks on a background with the Yxy color 19.3861, 0.5930, 0.3304.

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

19.3861, 0.5930, 0.3304

Protanopia

19.4752, 0.3943, 0.4274

Deuteranopia

19.4545, 0.4585, 0.4503



Tritanopia

19.3941, 0.5920, 0.3298

Trichromacy



Original Color

19.3861, 0.5930, 0.3304

Protanomaly

17.0462, 0.4790, 0.3805

Deuteranomaly

17.5546, 0.5220, 0.3924

Tritanomaly

19.3941, 0.5920, 0.3298

Monochromacy



Original Color

19.3861, 0.5930, 0.3304

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0333, 0.4279, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3861, 0.5930, 0.3304 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(232, 47, 46)` looks like.

```
.text, #text, p{  
    color:rgb(232, 47, 46)  
}
```

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(232, 47, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 47, 46) }
```

Border

The CSS property to change the border of an element to Yxy 19.3861, 0.5930, 0.3304 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(232, 47, 46) }
```

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

```
.border{ border-color:rgb(232, 47, 46) }
```

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

Here you see how a box with a 4 pixel rgb(232, 47, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 47, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 47, 46);  
box-shadow:4px 4px 4px 4px rgb(232, 47,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3861, 0.5930, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 47, 46) }
```

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

```
.background{ background-color: rgb(232, 47,  
46) }
```

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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