

Converting Colors

$Y_{xy}(19.1870, 0.5937, 0.3335)$

Have a look what the booklet for
Yxy(19.1870, 0.5937, 0.3335)
contains.

Yxy(19.1940, 0.5937, 0.3335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.1940, 0.5937, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	E6312B
RGB	230, 49, 43
RGB Percent	90%, 19%, 17%
CMY	0.0980, 0.8078, 0.8313
CMYK	0.00, 0.79, 0.81, 0.10
HSL	2°, 79%, 54%
HSV	2°, 81%, 90%
XYZ	34.1693, 19.1940, 4.1899
YIQ	102.4350, 109.8020, 36.5060

Conversions

Conversions Part 2

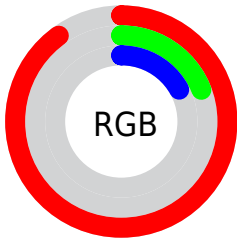
Format	Color
R_{YB}	230, 49, 43
Decimal	15085867
CIE _{Lab}	50.91, 67.10, 47.85
CIE _{LCh}	51, 82.415, 35.489
Yxy	19.1940, 0.5937, 0.3335
Android (android.graphics.Color)	4293275947 (0xFFE6312B)
YUV	102.4350, -29.3015, 111.8745
Hunter-Lab	43.8110, 62.5478, 24.9975

Details

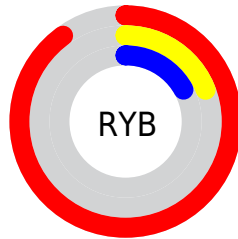
The Yxy color **19.1940, 0.5937, 0.3335** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **59.5456, 0.2259, 0.3208**, and the grayscale version is **13.4641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3671, 0.5097, 0.3487**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6465, 0.6241, 0.3322**, and if you desaturate by 10%, it is **21.7576, 0.5512, 0.3342**.

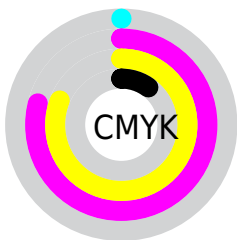
Distribution



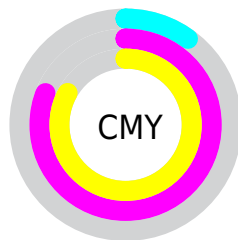
- Red (90%)
- Green (19%)
- Blue (17%)



- Red (90%)
- Yellow (19%)
- Blue (17%)



- Cyan (0%)
- Magenta (79%)
- Yellow (81%)
- Black (10%)





- Cyan (10%)
- Magenta (81%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1940, 0.5937, 0.3335 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 19.1940, 0.5937, 0.3335 by changing the saturation by 10% instead.


 19.1940, 0.5937,
0.3335


 19.1940, 0.5937,
0.3335


247.5177, 0.4399,
0.3485


 11.8105, 0.6313,
0.3216


 42.0617, 0.5370,
0.3446


 6.6148, 0.6798,
0.3027


 58.3146, 0.5157,
0.3470


 3.2224, 0.7320,
0.2680

 78.2929, 0.4977,
0.3483

 1.2489, 0.7889,
0.2111

 102.3809, 0.4826,
0.3489

 0.1011, 0.9538,
0.0462

 130.9630, 0.4695,
0.3491

 0.0000, 1.0000,
0.0000

 164.4235, 0.4583,

 0.0000, 0.0000,

0.3491

0.0000

203.1470, 0.4485,
0.3488

■ 19.1940, 0.5937,
0.3335

■ 19.1940, 0.5937,
0.3335

■ 17.6465, 0.6241,
0.3322

■ 21.7576, 0.5512,
0.3342


■ 16.9842, 0.6383,
0.3314

■ 25.4670, 0.5039,
0.3342

■ 30.4366, 0.4580,
0.3337


■ 36.7659, 0.4174,
0.3328

■ 44.5447, 0.3832,
0.3319

 53.8548, 0.3553,
0.3309

 64.7722, 0.3328,
0.3300

 77.3677, 0.3148,
0.3291

 91.7078, 0.3003,
0.3283

Harmonies

Analogous

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



19.1940, 0.5171, 0.2568



19.1940, 0.5937, 0.3335



19.1940, 0.5597, 0.4207

Triad

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



19.1940, 0.5937, 0.3335



19.1940, 0.2183, 0.5667



19.1940, 0.1377, 0.1336

Complementary

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



19.1940, 0.5937, 0.3335



59.5456, 0.2259, 0.3208

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.



19.1940, 0.0995, 0.1529



19.1940, 0.5937, 0.3335



19.1940, 0.1301, 0.3737

Square

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



19.1940, 0.5937, 0.3335



19.1940, 0.3381, 0.6130



19.1940, 0.0952, 0.2216



19.1940, 0.2210, 0.1467

Rectangle

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



19.1940, 0.5937, 0.3335



19.1940, 0.4989, 0.4910



19.1940, 0.0952, 0.2216



19.1940, 0.1207, 0.1360

Sweetspot

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



19.1952, 0.5937, 0.3335



64.5185, 0.3626, 0.3312



24.0923, 0.3239, 0.1648



12.9018, 0.3725, 0.3315



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.



19.1952, 0.5937, 0.3335



21.5618, 0.6361, 0.3312



35.6448, 0.4989, 0.4195



14.4416, 0.3292, 0.3298



9.6484, 0.6377, 0.3319



0.7393, 0.6309, 0.3373

Inverse Universe

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



59.5456, 0.2259, 0.3208



73.7684, 0.2221, 0.3190



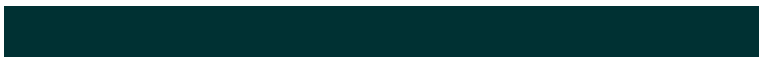
23.1092, 0.1899, 0.1850



16.2529, 0.2982, 0.3282



33.0368, 0.2219, 0.3190



2.4663, 0.2224, 0.3205

Previews

White Background



This preview shows how the Yxy color 19.1940, 0.5937, 0.3335 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 19.1940, 0.5937, 0.3335 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 19.1940, 0.5937, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 19.1940, 0.5937, 0.3335.



This preview shows how white text looks on a background with the Yxy color 19.1940, 0.5937, 0.3335.

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

19.1940, 0.5937, 0.3335

Protanopia

19.4288, 0.3985, 0.4338

Deuteranopia

19.4310, 0.4613, 0.4539



Tritanopia

19.1587, 0.5884, 0.3292

Trichromacy



Original Color

19.1940, 0.5937, 0.3335

Protanomaly

17.0160, 0.4827, 0.3841

Deuteranomaly

17.7037, 0.5238, 0.3966

Tritanomaly

19.1421, 0.5905, 0.3305

Monochromacy



Original Color

19.1940, 0.5937, 0.3335

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1702, 0.4289, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1940, 0.5937, 0.3335 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(230, 49, 43)` looks like.

```
.text, #text, p{  
    color:rgb(230, 49, 43)  
}
```

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(230, 49, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 49, 43) }
```

Border

The CSS property to change the border of an element to Yxy 19.1940, 0.5937, 0.3335 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(230, 49, 43) }
```

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

```
.border{ border-color:rgb(230, 49, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 49, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 49, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 49, 43);  
box-shadow:4px 4px 4px 4px rgb(230, 49,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1940, 0.5937, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 49, 43) }
```

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

```
.background{ background-color: rgb(230, 49,  
43) }
```

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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