

Converting Colors

$Y_{xy}(19.5859, 0.5902, 0.3323)$

Have a look what the booklet for
Yxy(19.5859, 0.5902, 0.3323)
contains.

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Color

Yxy(19.6343, 0.5909, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	E8322E
RGB	232, 50, 46
RGB Percent	91%, 20%, 18%
CMY	0.0902, 0.8039, 0.8195
CMYK	0.00, 0.78, 0.80, 0.09
HSL	1°, 80%, 55%
HSV	1°, 80%, 91%
XYZ	34.9140, 19.6343, 4.5378
YIQ	103.9620, 109.7560, 37.3400

Conversions

Conversions Part 2

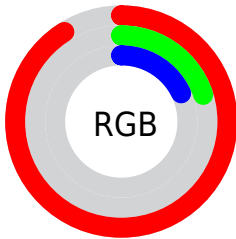
Format	Color
R_{YB}	232, 50, 46
Decimal	15217198
CIE Lab	51.42, 67.48, 46.90
CIE LCh	51, 82.179, 34.801
Yxy	19.6343, 0.5909, 0.3323
Android (android.graphics.Color)	4293407278 (0xFFE8322E)
YUV	103.9620, -28.5753, 112.2893
Hunter-Lab	44.3106, 63.1031, 24.9456

Details

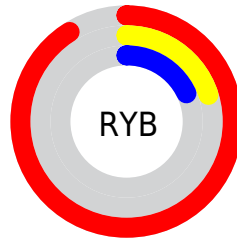
The Yxy color **19.6343, 0.5909, 0.3323** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **61.9124, 0.2270, 0.3235**, and the grayscale version is **13.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6565, 0.5046, 0.3462**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.0152, 0.6226, 0.3315**, and if you desaturate by 10%, it is **22.3160, 0.5475, 0.3327**.

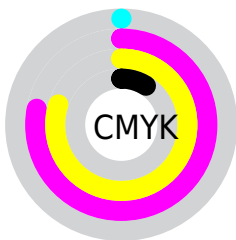
Distribution



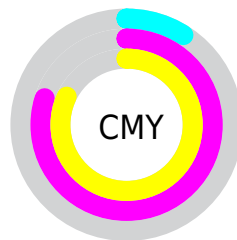
- Red (91%)
- Green (20%)
- Blue (18%)



- Red (91%)
- Yellow (20%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (80%)
- Black (9%)





- Cyan (9%)
- Magenta (80%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6343, 0.5909, 0.3323 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 19.6343, 0.5909, 0.3323 by changing the saturation by 10% instead.


 19.6343, 0.5909,
0.3323


 19.6343, 0.5909,
0.3323


249.9284, 0.4387,
0.3473

 12.1295, 0.6284,
0.3207


 42.8032, 0.5347,
0.3432

 6.8319, 0.6755,
0.3020


 59.2361, 0.5136,
0.3455

 3.3572, 0.7306,
0.2694

 79.4138, 0.4959,
0.3469

 1.3209, 0.7865,
0.2135

 103.7207, 0.4808,
0.3475

 0.1573, 0.9334,
0.0666

 132.5413, 0.4680,
0.3478

 0.0000, 1.0000,
0.0000

 166.2598, 0.4569,

 0.0000, 0.0000,

0.3478

0.0000

205.2607, 0.4472,
0.3476

■ 19.6343, 0.5909,
0.3323

■ 19.6343, 0.5909,
0.3323

■ 18.0152, 0.6226,
0.3315

■ 22.3160, 0.5475,
0.3327

■ 17.2639, 0.6389,
0.3309


■ 26.1960, 0.4997,
0.3326


■ 31.3939, 0.4540,
0.3322

■ 38.0137, 0.4137,
0.3316

■ 46.1491, 0.3800,
0.3309

 55.8857, 0.3526,
0.3302

 67.3030, 0.3306,
0.3296

 80.4750, 0.3130,
0.3290

 95.4712, 0.2988,
0.3285

Harmonies

Analogous

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



19.6343, 0.5121, 0.2559



19.6343, 0.5909, 0.3323



19.6343, 0.5599, 0.4188

Triad

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



19.6343, 0.5909, 0.3323



19.6343, 0.2221, 0.5670



19.6343, 0.1376, 0.1349

Complementary

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



19.6343, 0.5909, 0.3323



61.9124, 0.2270, 0.3235

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.



19.6343, 0.1003, 0.1551



19.6343, 0.5909, 0.3323



19.6343, 0.1331, 0.3779

Square

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



19.6343, 0.5909, 0.3323



19.6343, 0.3416, 0.6094



19.6343, 0.0969, 0.2252



19.6343, 0.2194, 0.1473

Rectangle

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



19.6343, 0.5909, 0.3323



19.6343, 0.5003, 0.4879



19.6343, 0.0969, 0.2252



19.6343, 0.1210, 0.1376

Sweetspot

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



19.6355, 0.5909, 0.3323



64.2242, 0.3628, 0.3305



24.7647, 0.3238, 0.1657



12.8337, 0.3727, 0.3307



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.



19.6355, 0.5909, 0.3323



21.6362, 0.6342, 0.3309



36.7350, 0.4962, 0.4194



14.4170, 0.3292, 0.3296



9.6070, 0.6385, 0.3313



0.7274, 0.6339, 0.3349

Inverse Universe

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



61.9124, 0.2270, 0.3235



75.5157, 0.2232, 0.3224



23.9935, 0.1911, 0.1872



16.2808, 0.2982, 0.3285



33.7732, 0.2229, 0.3223



2.5126, 0.2231, 0.3233

Previews

White Background



This preview shows how the Yxy color 19.6343, 0.5909, 0.3323 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 19.6343, 0.5909, 0.3323 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 19.6343, 0.5909, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 19.6343, 0.5909, 0.3323.



This preview shows how white text looks on a background with the Yxy color 19.6343, 0.5909, 0.3323.

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

19.6343, 0.5909, 0.3323

Protanopia

19.7935, 0.3958, 0.4300

Deuteranopia

19.7849, 0.4583, 0.4508



Tritanopia

19.5827, 0.5875, 0.3292

Trichromacy



Original Color

19.6343, 0.5909, 0.3323

Protanomaly

17.3394, 0.4790, 0.3816

Deuteranomaly

18.0234, 0.5202, 0.3946

Tritanomaly

19.5742, 0.5886, 0.3298

Monochromacy



Original Color

19.6343, 0.5909, 0.3323

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5445, 0.4276, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6343, 0.5909, 0.3323 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, 50, 46)` looks like.

```
.text, #text, p{  
  color:rgb(232, 50, 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, 50, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 50, 46) }
```

Border

The CSS property to change the border of an element to Yxy 19.6343, 0.5909, 0.3323 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, 50, 46) }
```

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

```
.border{ border-color:rgb(232, 50, 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, 50, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 50, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 50, 46);  
box-shadow:4px 4px 4px 4px rgb(232, 50,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6343, 0.5909, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 50, 46) }
```

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

```
.background{ background-color: rgb(232, 50,  
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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