

Converting Colors

$Y_{xy}(19.9649, 0.5830, 0.3259)$

Have a look what the booklet for
Yxy(19.9649, 0.5830, 0.3259)
contains.

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Color

Yxy(19.9649, 0.5830, 0.3259)

Conversions

Conversions Part 1

Format	Color
Hex	EA3137
RGB	234, 49, 55
RGB Percent	92%, 19%, 22%
CMY	0.0824, 0.8076, 0.7845
CMYK	0.00, 0.79, 0.77, 0.08
HSL	358°, 81%, 55%
HSV	358°, 79%, 92%
XYZ	35.7151, 19.9649, 5.5809
YIQ	104.9990, 108.3340, 41.0860

Conversions

Conversions Part 2

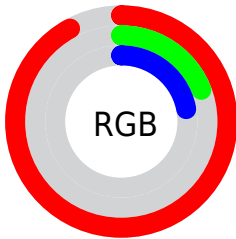
Format	Color
RYB	234, 49, 55
Decimal	15348023
CIELab	51.80, 68.58, 42.60
CIElCh	52, 80.730, 31.849
Yxy	19.9649, 0.5830, 0.3259
Android (android.graphics.Color)	4293538103 (0xFFEA3137)
YUV	104.9990, -24.6495, 113.1339
Hunter-Lab	44.6821, 64.4840, 23.8721

Details

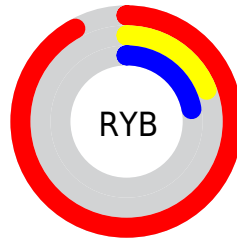
The Yxy color **19.9649, 0.5830, 0.3259** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **65.0961, 0.2311, 0.3365**, and the grayscale version is **14.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8276, 0.4945, 0.3381**, and **8.4616, 0.6317, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **18.3192, 0.6173, 0.3273**, and if you desaturate by 10%, it is **22.7274, 0.5384, 0.3251**.

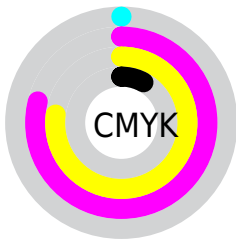
Distribution



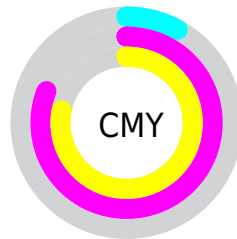
- Red (92%)
- Green (19%)
- Blue (22%)



- Red (92%)
- Yellow (19%)
- Blue (22%)



- Cyan (0%)
- Magenta (79%)
- Yellow (77%)
- Black (8%)



- Cyan (8%)
- Magenta (81%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9649, 0.5830, 0.3259 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 19.9649, 0.5830, 0.3259 by changing the saturation by 10% instead.


 19.9649, 0.5830,
0.3259


 19.9649, 0.5830,
0.3259


251.7250, 0.4340,
0.3423


 12.3695, 0.6208,
0.3149


 43.3583, 0.5273,
0.3366


 6.9959, 0.6673,
0.2965


 59.9252, 0.5067,
0.3392


 3.4595, 0.7317,
0.2683

 80.2513, 0.4894,
0.3407

 1.3761, 0.7870,
0.2130

 104.7211, 0.4748,
0.3416

 0.1990, 0.9214,
0.0786

 133.7190, 0.4624,
0.3421

 0.0000, 1.0000,
0.0000

 167.6294, 0.4516,

 0.0000, 0.0000,

0.3423

0.0000

206.8366, 0.4423,
0.3424

■ 19.9649, 0.5830,
0.3259

■ 19.9649, 0.5830,
0.3259

■ 18.3192, 0.6173,
0.3273

■ 22.7274, 0.5384,
0.3251

■ 17.5598, 0.6363,
0.3286


■ 26.7531, 0.4909,
0.3250


■ 17.5060, 0.6376,
0.3286


■ 32.1701, 0.4462,
0.3253

■ 39.0901, 0.4073,
0.3259

■ 47.6133, 0.3751,
0.3267

 57.8311, 0.3489,
0.3275

 69.8284, 0.3280,
0.3283

 83.6842, 0.3113,
0.3291

 96.2297, 0.2999,
0.3290

Harmonies

Analogous

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



19.9649, 0.4947, 0.2504



19.9649, 0.5830, 0.3259



19.9649, 0.5631, 0.4102

Triad

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



19.9649, 0.5830, 0.3259



19.9649, 0.2357, 0.5731



19.9649, 0.1349, 0.1382

Complementary

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



19.9649, 0.5830, 0.3259



65.0961, 0.2311, 0.3365

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.



19.9649, 0.1015, 0.1623



19.9649, 0.5830, 0.3259



19.9649, 0.1429, 0.3962

Square

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



19.9649, 0.5830, 0.3259



19.9649, 0.3549, 0.5990



19.9649, 0.1016, 0.2386



19.9649, 0.2109, 0.1475

Rectangle

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



19.9649, 0.5830, 0.3259



19.9649, 0.5080, 0.4763



19.9649, 0.1016, 0.2386



19.9649, 0.1198, 0.1420

Sweetspot

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



19.9661, 0.5830, 0.3259



63.7290, 0.3615, 0.3271



24.6050, 0.3139, 0.1613



12.7193, 0.3712, 0.3268



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.



19.9661, 0.5830, 0.3259



21.5938, 0.6312, 0.3283



35.1386, 0.5037, 0.4098



15.0618, 0.3288, 0.3283



9.8425, 0.6366, 0.3281



0.7756, 0.6273, 0.3229

Inverse Universe

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



19.9661, 0.5830, 0.3259



21.5938, 0.6312, 0.3283



27.6741, 0.1959, 0.2033



15.0618, 0.3288, 0.3283



9.8425, 0.6366, 0.3281



0.7756, 0.6273, 0.3229

Previews

White Background



This preview shows how the Yxy color 19.9649, 0.5830, 0.3259 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 19.9649, 0.5830, 0.3259 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 19.9649, 0.5830, 0.3259

Background



This preview shows how black text looks on a background with the Yxy color 19.9649, 0.5830, 0.3259.



This preview shows how white text looks on a background with the Yxy color 19.9649, 0.5830, 0.3259.

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

19.9649, 0.5830, 0.3259

Protanopia

20.1163, 0.3806, 0.4122

Deuteranopia

20.0926, 0.4487, 0.4416



Tritanopia

20.0039, 0.5877, 0.3298

Trichromacy



Original Color

19.9649, 0.5830, 0.3259

Protanomaly

17.6495, 0.4634, 0.3688

Deuteranomaly

18.2243, 0.5110, 0.3849

Tritanomaly

20.0216, 0.5856, 0.3285

Monochromacy



Original Color

19.9649, 0.5830, 0.3259

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.8605, 0.4213, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9649, 0.5830, 0.3259 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(234, 49, 55)` looks like.

```
.text, #text, p{  
    color:rgb(234, 49, 55)  
}
```

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(234, 49, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 49, 55) }
```

Border

The CSS property to change the border of an element to Yxy 19.9649, 0.5830, 0.3259 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(234, 49, 55) }
```

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

```
.border{ border-color:rgb(234, 49, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 49, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 49, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 49, 55);  
box-shadow:4px 4px 4px 4px rgb(234, 49,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9649, 0.5830, 0.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 49, 55) }
```

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

```
.background{ background-color: rgb(234, 49,  
55) }
```

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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