

Converting Colors

$Yxy(18.9742, 0.5869, 0.3317)$

Have a look what the booklet for
Yxy(18.9742, 0.5869, 0.3317)
contains.

Yxy(19.0750, 0.5864, 0.3318)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0750, 0.5864, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	E43330
RGB	228, 51, 48
RGB Percent	89%, 20%, 19%
CMY	0.1059, 0.7999, 0.8117
CMYK	0.00, 0.78, 0.79, 0.11
HSL	1°, 77%, 54%
HSV	1°, 79%, 89%
XYZ	33.7118, 19.0750, 4.7026
YIQ	103.5810, 106.4550, 36.5910

Conversions

Conversions Part 2

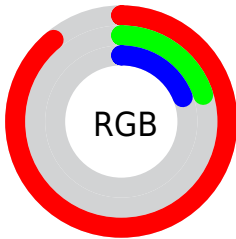
Format	Color
R_{YB}	228, 51, 48
Decimal	14955312
CIE _{Lab}	50.77, 66.11, 44.96
CIE _{LCh}	51, 79.947, 34.219
Yxy	19.0750, 0.5864, 0.3318
Android (android.graphics.Color)	4293145392 (0xFFE43330)
YUV	103.5810, -27.4014, 109.1155
Hunter-Lab	43.6749, 61.3495, 24.1885

Details

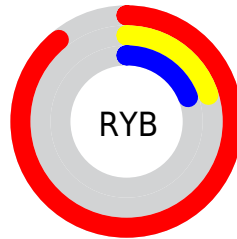
The Yxy color **19.0750, 0.5864, 0.3318** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **60.0758, 0.2278, 0.3247**, and the grayscale version is **13.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6746, 0.5035, 0.3453**, and **7.8969, 0.6386, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **17.4237, 0.6198, 0.3312**, and if you desaturate by 10%, it is **21.7687, 0.5420, 0.3320**.

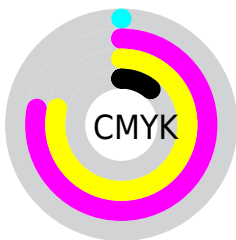
Distribution



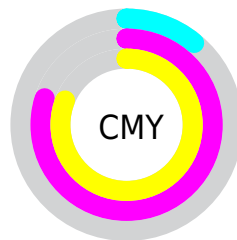
- Red (89%)
- Green (20%)
- Blue (19%)



- Red (89%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (78%)
- Yellow (79%)
- Black (11%)




- Cyan (11%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0750, 0.5864, 0.3318 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 19.0750, 0.5864, 0.3318 by changing the saturation by 10% instead.


 19.0750, 0.5864,
0.3318


 19.0750, 0.5864,
0.3318


246.8625, 0.4354,
0.3462


 11.7245, 0.6243,
0.3205


 41.8608, 0.5301,
0.3423


 6.5564, 0.6720,
0.3019


 58.0649, 0.5092,
0.3446

 3.1862, 0.7301,
0.2699

 77.9889, 0.4916,
0.3458

 1.2297, 0.7871,
0.2129

 102.0173, 0.4768,
0.3464

 0.0858, 0.9592,
0.0408

 130.5345, 0.4641,
0.3467

 0.0000, 1.0000,
0.0000

 163.9248, 0.4532,

 0.0000, 0.0000,

0.3467

0.0000

202.5727, 0.4437,
0.3465

■ 19.0750, 0.5864,
0.3318

■ 19.0750, 0.5864,
0.3318

■ 17.4237, 0.6198,
0.3312

■ 21.7687, 0.5420,
0.3320

■ 16.6329, 0.6377,
0.3307


■ 25.6341, 0.4942,
0.3319


■ 16.5761, 0.6391,
0.3307


■ 30.7857, 0.4489,
0.3315


■ 37.3233, 0.4093,
0.3310

■ 45.3369, 0.3764,
0.3305

 54.9091, 0.3497,
0.3299

 66.1161, 0.3282,
0.3294

 79.0293, 0.3111,
0.3290

 93.7159, 0.2973,
0.3285

Harmonies

Analogous

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



19.0750, 0.5063, 0.2558



19.0750, 0.5864, 0.3318



19.0750, 0.5586, 0.4174

Triad

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



19.0750, 0.5864, 0.3318



19.0750, 0.2263, 0.5646



19.0750, 0.1386, 0.1372

Complementary

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



19.0750, 0.5864, 0.3318



60.0758, 0.2278, 0.3247

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.



19.0750, 0.1022, 0.1582



19.0750, 0.5864, 0.3318



19.0750, 0.1369, 0.3812

Square

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



19.0750, 0.5864, 0.3318



19.0750, 0.3450, 0.6042



19.0750, 0.0996, 0.2293



19.0750, 0.2187, 0.1489

Rectangle

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



19.0750, 0.5864, 0.3318



19.0750, 0.5008, 0.4850



19.0750, 0.0996, 0.2293



19.0750, 0.1223, 0.1401

Sweetspot

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



19.0762, 0.5864, 0.3318



64.0965, 0.3628, 0.3302



24.0445, 0.3237, 0.1669



12.8042, 0.3728, 0.3304



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.



19.0762, 0.5864, 0.3318



21.6830, 0.6331, 0.3307



35.7580, 0.4930, 0.4192



14.4063, 0.3292, 0.3294



9.5889, 0.6388, 0.3310



0.7223, 0.6352, 0.3338

Inverse Universe

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



60.0758, 0.2278, 0.3247



76.2700, 0.2237, 0.3238



23.5593, 0.1924, 0.1898



16.2929, 0.2982, 0.3286



34.0971, 0.2233, 0.3237



2.5329, 0.2235, 0.3245

Previews

White Background



This preview shows how the Yxy color 19.0750, 0.5864, 0.3318 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 19.0750, 0.5864, 0.3318 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 19.0750, 0.5864, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 19.0750, 0.5864, 0.3318.



This preview shows how white text looks on a background with the Yxy color 19.0750, 0.5864, 0.3318.

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

19.0750, 0.5864, 0.3318

Protanopia

19.3230, 0.3905, 0.4269

Deuteranopia

19.1493, 0.4560, 0.4465



Tritanopia

19.1006, 0.5832, 0.3298

Trichromacy



Original Color

19.0750, 0.5864, 0.3318

Protanomaly

17.0275, 0.4728, 0.3802

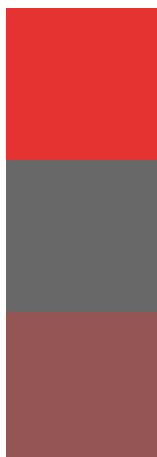
Deuteranomaly

17.5041, 0.5160, 0.3924

Tritanomaly

19.0919, 0.5843, 0.3305

Monochromacy



Original Color

19.0750, 0.5864, 0.3318

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5267, 0.4220, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0750, 0.5864, 0.3318 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(228, 51, 48)` looks like.

```
.text, #text, p{  
    color:rgb(228, 51, 48)  
}
```

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(228, 51, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 51, 48) }
```

Border

The CSS property to change the border of an element to Yxy 19.0750, 0.5864, 0.3318 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(228, 51, 48) }
```

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

```
.border{ border-color:rgb(228, 51, 48) }
```

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

Here you see how a box with a 4 pixel rgb(228, 51, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 51, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 51, 48);  
box-shadow:4px 4px 4px 4px rgb(228, 51,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0750, 0.5864, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 51, 48) }
```

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

```
.background{ background-color: rgb(228, 51,  
48) }
```

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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