

Converting Colors

$Y_{xy}(19.5218, 0.5735, 0.3283)$

Have a look what the booklet for
Yxy(19.5218, 0.5735, 0.3283)
contains.

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Color

Yxy(19.5218, 0.5735, 0.3283)

Conversions

Conversions Part 1

Format	Color
Hex	E43739
RGB	228, 55, 57
RGB Percent	89%, 22%, 22%
CMY	0.1058, 0.7843, 0.7765
CMYK	0.00, 0.76, 0.75, 0.11
HSL	359°, 76%, 55%
HSV	359°, 76%, 89%
XYZ	34.1022, 19.5218, 5.8393
YIQ	106.9550, 102.4660, 37.2980

Conversions

Conversions Part 2

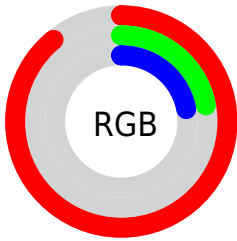
Format	Color
R_{YB}	228, 55, 57
Decimal	14956345
CIE Lab	51.29, 65.24, 40.60
CIE LCh	51, 76.840, 31.895
Yxy	19.5218, 0.5735, 0.3283
Android (android.graphics.Color)	4293146425 (0xFFE43739)
YUV	106.9550, -24.6278, 106.1565
Hunter-Lab	44.1835, 60.4508, 23.0927

Details

The Yxy color **19.5218, 0.5735, 0.3283** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **61.7976, 0.2309, 0.3314**, and the grayscale version is **14.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5414, 0.4901, 0.3391**, and **7.9242, 0.6295, 0.3241** is the 20% darker color. If you saturate the color by 10%, you get **17.6574, 0.6111, 0.3288**, and if you desaturate by 10%, it is **22.4878, 0.5271, 0.3280**.

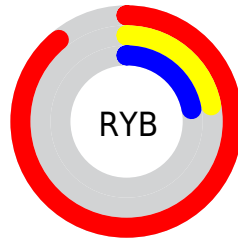
Distribution



Red (89%)

Green (22%)

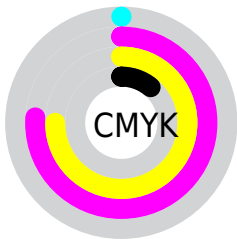
Blue (22%)



Red (89%)

Yellow (22%)

Blue (22%)

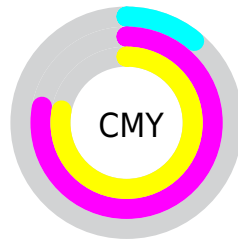


Cyan (0%)

Magenta (76%)

Yellow (75%)

Black (11%)



Cyan (11%)


Magenta (78%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5218, 0.5735, 0.3283 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 19.5218, 0.5735, 0.3283 by changing the saturation by 10% instead.


 19.5218, 0.5735,
0.3283


 19.5218, 0.5735,
0.3283


249.3144, 0.4286,
0.3423


 12.0479, 0.6110,
0.3182


 42.6140, 0.5188,
0.3379

 6.7763, 0.6577,
0.3008


 59.0011, 0.4987,
0.3400


 3.3226, 0.7253,
0.2747

 79.1280, 0.4820,
0.3413

 1.3024, 0.7812,
0.2188

 103.3792, 0.4679,
0.3420

 0.1431, 0.9355,
0.0645

 132.1391, 0.4558,
0.3424

 0.0000, 1.0000,
0.0000

 165.7920, 0.4455,

 0.0000, 0.0000,

0.3425

0.0000

204.7223, 0.4365,
0.3424

■ 19.5218, 0.5735,
0.3283

■ 19.5218, 0.5735,
0.3283

■ 17.6574, 0.6111,
0.3288

■ 22.4878, 0.5271,
0.3280

■ 16.7261, 0.6336,
0.3294


■ 26.6857, 0.4794,
0.3279

■ 16.5016, 0.6391,
0.3295


■ 32.2312, 0.4356,
0.3280


■ 39.2261, 0.3981,
0.3282

■ 47.7621, 0.3672,
0.3284

 57.9235, 0.3423,
0.3286

 69.7884, 0.3225,
0.3289

 83.4301, 0.3066,
0.3291

 95.2359, 0.2964,
0.3290

Harmonies

Analogous

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



19.5218, 0.4878, 0.2537



19.5218, 0.5735, 0.3283



19.5218, 0.5564, 0.4114

Triad

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



19.5218, 0.5735, 0.3283



19.5218, 0.2400, 0.5611



19.5218, 0.1399, 0.1434

Complementary

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



19.5218, 0.5735, 0.3283



61.7976, 0.2309, 0.3314

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.



19.5218, 0.1068, 0.1676



19.5218, 0.5735, 0.3283



19.5218, 0.1487, 0.3938

Square

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



19.5218, 0.5735, 0.3283



19.5218, 0.3565, 0.5897



19.5218, 0.1074, 0.2427



19.5218, 0.2146, 0.1524

Rectangle

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



19.5218, 0.5735, 0.3283



19.5218, 0.5040, 0.4750



19.5218, 0.1074, 0.2427



19.5218, 0.1249, 0.1473

Sweetspot

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



19.5230, 0.5735, 0.3283



64.9303, 0.3599, 0.3284



24.3621, 0.3172, 0.1663



12.9466, 0.3697, 0.3284



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.



19.5230, 0.5735, 0.3283



21.9437, 0.6260, 0.3292



35.1269, 0.4915, 0.4124



14.3707, 0.3291, 0.3288



9.5287, 0.6388, 0.3293



0.7051, 0.6352, 0.3273

Inverse Universe

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



19.5230, 0.5735, 0.3283



21.9437, 0.6260, 0.3292



26.4780, 0.1981, 0.2048



14.3707, 0.3291, 0.3288



9.5287, 0.6388, 0.3293



0.7051, 0.6352, 0.3273

Previews

White Background



This preview shows how the Yxy color 19.5218, 0.5735, 0.3283 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 19.5218, 0.5735, 0.3283 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 19.5218, 0.5735, 0.3283

Background



This preview shows how black text looks on a background with the Yxy color 19.5218, 0.5735, 0.3283.



This preview shows how white text looks on a background with the Yxy color 19.5218, 0.5735, 0.3283.

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

19.5218, 0.5735, 0.3283

Protanopia

19.7988, 0.3788, 0.4093

Deuteranopia

19.6843, 0.4449, 0.4385



Tritanopia

19.5218, 0.5735, 0.3283

Trichromacy



Original Color

19.5218, 0.5735, 0.3283

Protanomaly

17.5151, 0.4571, 0.3698

Deuteranomaly

17.9305, 0.5034, 0.3861

Tritanomaly

19.5218, 0.5735, 0.3283

Monochromacy



Original Color

19.5218, 0.5735, 0.3283

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.2800, 0.4142, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5218, 0.5735, 0.3283 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, 55, 57)` looks like.

```
.text, #text, p{  
  color:rgb(228, 55, 57)  
}
```

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, 55, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 55, 57) }
```

Border

The CSS property to change the border of an element to Yxy 19.5218, 0.5735, 0.3283 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, 55, 57) }
```

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

```
.border{ border-color:rgb(228, 55, 57) }
```

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

Here you see how a box with a 4 pixel rgb(228, 55, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 55, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 55, 57);  
box-shadow:4px 4px 4px 4px rgb(228, 55,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5218, 0.5735, 0.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 55, 57) }
```

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

```
.background{ background-color: rgb(228, 55,  
57) }
```

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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