

Converting Colors

$Y_{xy}(18.6133, 0.5392, 0.3456)$

Have a look what the booklet for
Yxy(18.6133, 0.5392, 0.3456)
contains.

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Color

$\text{Yxy}(18.6133, 0.5392, 0.3456)$

Conversions

Conversions Part 1

Format	Color
Hex	CF4B3B
RGB	207, 75, 59
RGB Percent	81%, 29%, 23%
CMY	0.1882, 0.7059, 0.7685
CMYK	0.00, 0.64, 0.71, 0.19
HSL	6°, 61%, 52%
HSV	6°, 71%, 81%
XYZ	29.0402, 18.6133, 6.2044
YIQ	112.6440, 83.8080, 23.0080

Conversions

Conversions Part 2

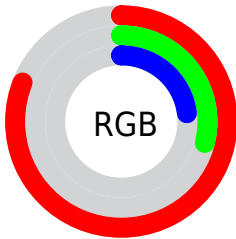
Format	Color
RYB	207, 77, 59
Decimal	13585211
CIELab	50.23, 51.28, 37.23
CIELCh	50, 63.371, 35.980
Yxy	18.6133, 0.5392, 0.3456
Android (android.graphics.Color)	4291775291 (0xFFCF4B3B)
YUV	112.6440, -26.4465, 82.7502
Hunter-Lab	43.1431, 44.6501, 21.6737

Details

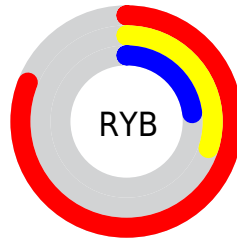
The Yxy color **18.6133, 0.5392, 0.3456** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.7185, 0.2264, 0.3050**, and the grayscale version is **16.4646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0221, 0.4778, 0.3511**, and **6.2936, 0.6184, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **16.2885, 0.5811, 0.3438**, and if you desaturate by 10%, it is **21.7523, 0.4943, 0.3454**.

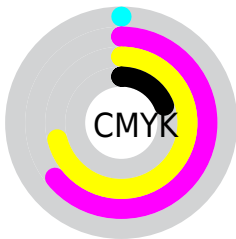
Distribution



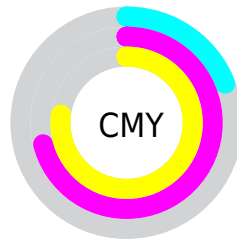
- Red (81%)
- Green (29%)
- Blue (23%)



- Red (81%)
- Yellow (30%)
- Blue (23%)



- Cyan (0%)
- Magenta (64%)
- Yellow (71%)
- Black (19%)





- Cyan (19%)
- Magenta (71%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6133, 0.5392, 0.3456 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 18.6133, 0.5392, 0.3456 by changing the saturation by 10% instead.


 18.6133, 0.5392,
0.3456

 18.6133, 0.5392,
0.3456


244.3056, 0.4111,
0.3470

 11.3912, 0.5740,
0.3396


 41.0796, 0.4899,
0.3497

 6.3306, 0.6186,
0.3274


 57.0927, 0.4721,
0.3501

 3.0471, 0.6902,
0.3098

 76.8048, 0.4573,
0.3499

 1.1564, 0.7448,
0.2552

 100.6004, 0.4450,
0.3495

 0.0256, 0.9814,
0.0186

 128.8639, 0.4346,
0.3490

 0.0000, 1.0000,
0.0000

 161.9796, 0.4256,

 0.0000, 0.0000,

0.3484

0.0000

200.3321, 0.4179,
0.3477

■ 18.6133, 0.5392,
0.3456

■ 18.6133, 0.5392,
0.3456

■ 16.2885, 0.5811,
0.3438

■ 21.7523, 0.4943,
0.3454

■ 14.6992, 0.6138,
0.3400

■ 25.7685, 0.4514,
0.3437

■ 13.8531, 0.6320,
0.3364

■ 30.7223, 0.4134,
0.3412

■ 36.6678, 0.3812,
0.3382

■ 43.6551, 0.3545,
0.3351

■ 51.7307, 0.3328,
0.3322

■ 60.9384, 0.3150,
0.3294

■ 71.3196, 0.3006,
0.3269

■ 82.9136, 0.2888,
0.3245

Harmonies

Analogous

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



18.6133, 0.4751, 0.2747



18.6133, 0.5392, 0.3456



18.6133, 0.5215, 0.4233

Triad

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



18.6133, 0.5392, 0.3456



18.6133, 0.2424, 0.5033



18.6133, 0.1672, 0.1643

Complementary

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



18.6133, 0.5392, 0.3456



42.7185, 0.2264, 0.3050

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.



18.6133, 0.1315, 0.1838



18.6133, 0.5392, 0.3456



18.6133, 0.1642, 0.3652

Square

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



18.6133, 0.5392, 0.3456



18.6133, 0.3459, 0.5534



18.6133, 0.1291, 0.2461



18.6133, 0.2415, 0.1759

Rectangle

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



18.6133, 0.5392, 0.3456



18.6133, 0.4758, 0.4779



18.6133, 0.1291, 0.2461



18.6133, 0.1514, 0.1670

Sweetspot

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



18.6144, 0.5392, 0.3456



70.2336, 0.3540, 0.3351



20.2133, 0.3380, 0.1854



14.3238, 0.3609, 0.3359



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.



18.6144, 0.5392, 0.3456



24.5501, 0.6008, 0.3419



34.7058, 0.4597, 0.4302



12.0105, 0.3288, 0.3316



8.7954, 0.6306, 0.3375



0.5629, 0.6057, 0.3573

Inverse Universe

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



42.7185, 0.2264, 0.3050



64.9349, 0.2186, 0.2992



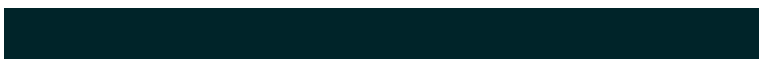
18.4460, 0.1966, 0.1852



13.1801, 0.2983, 0.3264



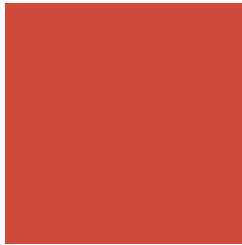
24.6977, 0.2153, 0.2950



1.4447, 0.2172, 0.3017

Previews

White Background



This preview shows how the Yxy color 18.6133, 0.5392, 0.3456 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 18.6133, 0.5392, 0.3456 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 18.6133, 0.5392, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 18.6133, 0.5392, 0.3456.



This preview shows how white text looks on a background with the Yxy color 18.6133, 0.5392, 0.3456.

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

18.6133, 0.5392, 0.3456

Protanopia

18.7526, 0.3826, 0.4144

Deuteranopia

18.6632, 0.4380, 0.4300



Tritanopia

18.7108, 0.5170, 0.3253

Trichromacy



Original Color

18.6133, 0.5392, 0.3456

Protanomaly

17.7012, 0.4418, 0.3848

Deuteranomaly

17.9267, 0.4788, 0.3937

Tritanomaly

18.7497, 0.5264, 0.3338

Monochromacy



Original Color

18.6133, 0.5392, 0.3456

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.9170, 0.3943, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6133, 0.5392, 0.3456 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(207, 75, 59)` looks like.

```
.text, #text, p{  
    color:rgb(207, 75, 59)  
}
```

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(207, 75, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 75, 59) }
```

Border

The CSS property to change the border of an element to Yxy 18.6133, 0.5392, 0.3456 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(207, 75, 59) }
```

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

```
.border{ border-color:rgb(207, 75, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 75, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 75, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 75, 59);  
box-shadow:4px 4px 4px 4px rgb(207, 75,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6133, 0.5392, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 75, 59) }
```

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

```
.background{ background-color: rgb(207, 75,  
59) }
```

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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