

Converting Colors

$Y_{xy}(18.9236, 0.5580, 0.3430)$

Have a look what the booklet for
Yxy(18.9236, 0.5580, 0.3430)
contains.

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Color

Yxy(18.9697, 0.5571, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	D74536
RGB	215, 69, 54
RGB Percent	84%, 27%, 21%
CMY	0.1569, 0.7294, 0.7881
CMYK	0.00, 0.68, 0.75, 0.16
HSL	6°, 67%, 53%
HSV	6°, 75%, 84%
XYZ	30.8195, 18.9697, 5.5321
YIQ	110.9440, 91.8310, 26.2870

Conversions

Conversions Part 2

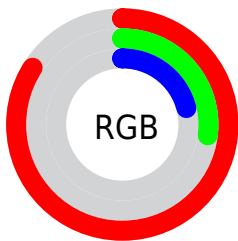
Format	Color
R _Y B	215, 71, 54
Decimal	14107958
CIE Lab	50.65, 56.21, 40.84
CIE LCh	51, 69.483, 36.000
Yxy	18.9697, 0.5571, 0.3429
Android (android.graphics.Color)	4292298038 (0xFFD74536)
YUV	110.9440, -28.0734, 91.2571
Hunter-Lab	43.5542, 50.0891, 22.9571

Details

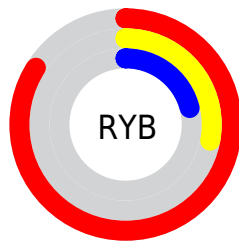
The Yxy color **18.9697, 0.5571, 0.3429** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **47.0180, 0.2251, 0.3073**, and the grayscale version is **15.9442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8865, 0.4861, 0.3518**, and **6.6951, 0.6322, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **16.7935, 0.5966, 0.3406**, and if you desaturate by 10%, it is **22.0255, 0.5120, 0.3434**.

Distribution



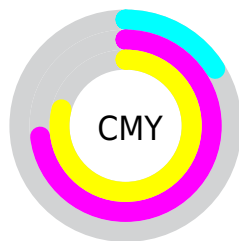
- Red (84%)
- Green (27%)
- Blue (21%)



- Red (84%)
- Yellow (28%)
- Blue (21%)



- Cyan (0%)
- Magenta (68%)
- Yellow (75%)
- Black (16%)




- Cyan (16%)
- Magenta (73%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9697, 0.5571, 0.3429 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 18.9697, 0.5571, 0.3429 by changing the saturation by 10% instead.

 18.9697, 0.5571,
0.3429


 18.9697, 0.5571,
0.3429


246.2814, 0.4204,
0.3479


 11.6484, 0.5930,
0.3351


 41.6829, 0.5052,
0.3490


 6.5047, 0.6382,
0.3205


 57.8436, 0.4862,
0.3499


 3.1543, 0.7032,
0.2968

 77.7195, 0.4704,
0.3501

 1.2128, 0.7584,
0.2416

 101.6950, 0.4571,
0.3500

 0.0722, 0.9567,
0.0433

 130.1546, 0.4459,
0.3496

 0.0000, 1.0000,
0.0000

 163.4826, 0.4362,

 0.0000, 0.0000,

0.3491

0.0000

202.0634, 0.4277,
0.3485

■ 18.9697, 0.5571,
0.3429

■ 18.9697, 0.5571,
0.3429

■ 16.7935, 0.5966,
0.3406

■ 22.0255, 0.5120,
0.3434

■ 15.4002, 0.6242,
0.3367


■ 26.0378, 0.4674,
0.3423

■ 14.9471, 0.6337,
0.3350


■ 31.0787, 0.4269,
0.3404


■ 37.2126, 0.3922,
0.3379

■ 44.4985, 0.3634,
0.3352

 52.9912, 0.3398,
0.3326

 62.7422, 0.3207,
0.3301

 73.7996, 0.3052,
0.3279

 86.2093, 0.2925,
0.3258

Harmonies

Analogous

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



18.9697, 0.4891, 0.2696



18.9697, 0.5571, 0.3429



18.9697, 0.5343, 0.4242

Triad

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



18.9697, 0.5571, 0.3429



18.9697, 0.2345, 0.5218



18.9697, 0.1577, 0.1540

Complementary

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



18.9697, 0.5571, 0.3429



47.0180, 0.2251, 0.3073

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.



18.9697, 0.1207, 0.1733



18.9697, 0.5571, 0.3429



18.9697, 0.1528, 0.3670

Square

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



18.9697, 0.5571, 0.3429



18.9697, 0.3438, 0.5730



18.9697, 0.1176, 0.2378



18.9697, 0.2356, 0.1663

Rectangle

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



18.9697, 0.5571, 0.3429



18.9697, 0.4834, 0.4837



18.9697, 0.1176, 0.2378



18.9697, 0.1414, 0.1565

Sweetspot

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



18.9708, 0.5571, 0.3429



68.6194, 0.3566, 0.3345



21.3342, 0.3360, 0.1794



13.9944, 0.3636, 0.3352



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.



18.9708, 0.5571, 0.3429



23.3522, 0.6149, 0.3384



35.8733, 0.4703, 0.4297



12.6046, 0.3289, 0.3312



9.0082, 0.6323, 0.3361



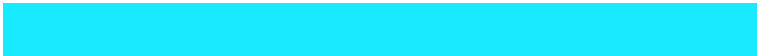
0.6087, 0.6113, 0.3528

Inverse Universe

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



47.0180, 0.2251, 0.3073



66.0881, 0.2185, 0.3022



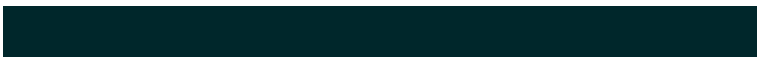
19.3928, 0.1929, 0.1813



13.9012, 0.2983, 0.3268



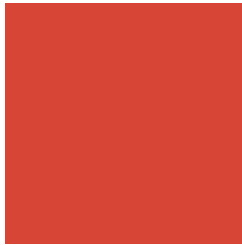
26.3663, 0.2166, 0.2998



1.6491, 0.2181, 0.3052

Previews

White Background



This preview shows how the Yxy color 18.9697, 0.5571, 0.3429 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 18.9697, 0.5571, 0.3429 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 18.9697, 0.5571, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 18.9697, 0.5571, 0.3429.



This preview shows how white text looks on a background with the Yxy color 18.9697, 0.5571, 0.3429.

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

18.9697, 0.5571, 0.3429

Protanopia

19.1162, 0.3880, 0.4203

Deuteranopia

19.0226, 0.4457, 0.4383



Tritanopia

19.0554, 0.5391, 0.3268

Trichromacy



Original Color

18.9697, 0.5571, 0.3429

Protanomaly

17.6709, 0.4544, 0.3859

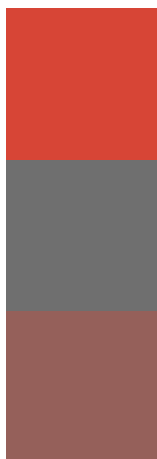
Deuteranomaly

17.9474, 0.4926, 0.3954

Tritanomaly

19.1033, 0.5464, 0.3334

Monochromacy



Original Color

18.9697, 0.5571, 0.3429

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.4935, 0.4039, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9697, 0.5571, 0.3429 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(215, 69, 54)` looks like.

```
.text, #text, p{  
  color:rgb(215, 69, 54)  
}
```

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(215, 69, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 69, 54) }
```

Border

The CSS property to change the border of an element to Yxy 18.9697, 0.5571, 0.3429 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(215, 69, 54) }
```

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

```
.border{ border-color:rgb(215, 69, 54) }
```

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

Here you see how a box with a 4 pixel rgb(215, 69, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 69, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 69, 54);  
box-shadow:4px 4px 4px 4px rgb(215, 69,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9697, 0.5571, 0.3429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 69, 54) }
```

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

```
.background{ background-color: rgb(215, 69,  
54) }
```

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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