

Converting Colors

$Y_{xy}(17.0249, 0.5600, 0.3540)$

Have a look what the booklet for
Yxy(17.0249, 0.5600, 0.3540)
contains.

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Color

Yxy(16.9872, 0.5602, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	CA452B
RGB	202, 69, 43
RGB Percent	79%, 27%, 17%
CMY	0.2079, 0.7293, 0.8313
CMYK	0.00, 0.66, 0.79, 0.21
HSL	10°, 65%, 48%
HSV	10°, 79%, 79%
XYZ	26.9200, 16.9872, 4.1471
YIQ	105.8030, 87.6140, 20.1100

Conversions

Conversions Part 2

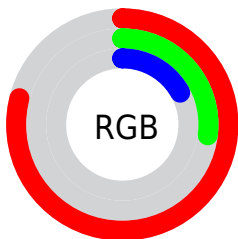
Format	Color
RYB	202, 74, 43
Decimal	13255979
CIELab	48.24, 51.45, 43.47
CIELCh	48, 67.355, 40.200
Yxy	16.9872, 0.5602, 0.3535
Android (android.graphics.Color)	4291446059 (0xFFCA452B)
YUV	105.8030, -30.9619, 84.3648
Hunter-Lab	41.2155, 44.4605, 22.8851

Details

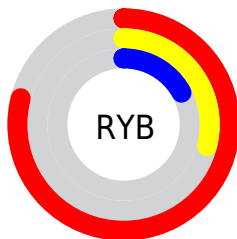
The Yxy color **16.9872, 0.5602, 0.3535** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **35.8259, 0.2186, 0.2881**, and the grayscale version is **14.4270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1812, 0.4990, 0.3596**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.0833, 0.5961, 0.3493**, and if you desaturate by 10%, it is **19.5582, 0.5183, 0.3547**.

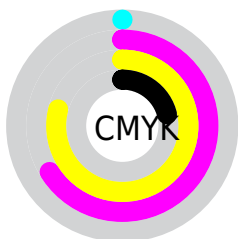
Distribution



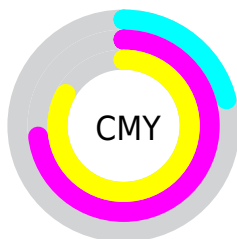
- Red (79%)
- Green (27%)
- Blue (17%)



- Red (79%)
- Yellow (29%)
- Blue (17%)



- Cyan (0%)
- Magenta (66%)
- Yellow (79%)
- Black (21%)



- Cyan (21%)
- Magenta (73%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9872, 0.5602, 0.3535 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 16.9872, 0.5602, 0.3535 by changing the saturation by 10% instead.


 16.9872, 0.5602,
0.3535


 16.9872, 0.5602,
0.3535

235.0986, 0.4206,
0.3539


 10.2254, 0.5966,
0.3457


 38.3038, 0.5071,
0.3586


 5.5486, 0.6461,
0.3320

 53.6273, 0.4877,
0.3588


 2.5726, 0.6998,
0.3002

 72.5735, 0.4716,
0.3584

 0.9129, 0.7595,
0.2405

 95.5268, 0.4580,
0.3577

 0.0000, 1.0000,
0.0000

 122.8715, 0.4465,
0.3568

 0.0000, 0.0000,
0.0000

 154.9922, 0.4366,

0.3558

192.2731, 0.4281,
0.3548

■ 16.9872, 0.5602,
0.3535

■ 16.9872, 0.5602,
0.3535

■ 15.0833, 0.5961,
0.3493

■ 19.5582, 0.5183,
0.3547

■ 13.7765, 0.6218,
0.3429

■ 22.8487, 0.4757,
0.3533

■ 13.6450, 0.6246,
0.3423

■ 26.9088, 0.4361,
0.3502

■ 31.7836, 0.4014,
0.3460

■ 37.5143, 0.3720,
0.3415

■ 44.1397, 0.3475,
0.3369

■ 51.6959, 0.3273,
0.3326

■ 60.2170, 0.3107,
0.3285

■ 69.7356, 0.2971,
0.3248

Harmonies

Analogous

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



16.9872, 0.5050, 0.2791



16.9872, 0.5602, 0.3535



16.9872, 0.5262, 0.4366

Triad

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



16.9872, 0.5602, 0.3535



16.9872, 0.2200, 0.5048



16.9872, 0.1653, 0.1532

Complementary

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



16.9872, 0.5602, 0.3535



35.8259, 0.2186, 0.2881

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.



16.9872, 0.1231, 0.1676



16.9872, 0.5602, 0.3535



16.9872, 0.1443, 0.3451

Square

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



16.9872, 0.5602, 0.3535



16.9872, 0.3279, 0.5758



16.9872, 0.1152, 0.2246



16.9872, 0.2499, 0.1697

Rectangle

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



16.9872, 0.5602, 0.3535



16.9872, 0.4708, 0.4966



16.9872, 0.1152, 0.2246



16.9872, 0.1470, 0.1543

Sweetspot

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



16.9882, 0.5602, 0.3535



68.2409, 0.3607, 0.3395



17.5047, 0.3517, 0.1850



13.7682, 0.3699, 0.3411



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.



16.9882, 0.5602, 0.3535



23.9805, 0.6140, 0.3451



33.3961, 0.4658, 0.4429



11.5051, 0.3286, 0.3329



8.8688, 0.6227, 0.3437



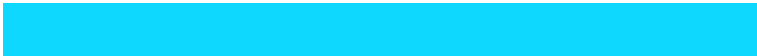
0.5526, 0.5884, 0.3710

Inverse Universe

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



35.8259, 0.2186, 0.2881



56.3332, 0.2113, 0.2784



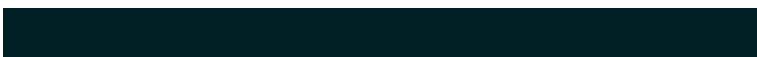
13.6369, 0.1841, 0.1561



12.4025, 0.2983, 0.3251



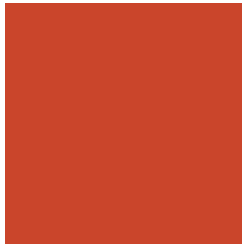
21.1061, 0.2101, 0.2765



1.1743, 0.2133, 0.2878

Previews

White Background



This preview shows how the Yxy color 16.9872, 0.5602, 0.3535 looks on a white 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

Black Background



This preview shows how the Yxy color 16.9872, 0.5602, 0.3535 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.9872, 0.5602, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 16.9872, 0.5602, 0.3535.



This preview shows how white text looks on a background with the Yxy color 16.9872, 0.5602, 0.3535.

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

16.9872, 0.5602, 0.3535

Protanopia

17.0590, 0.4013, 0.4389

Deuteranopia

17.0613, 0.4555, 0.4465



Tritanopia

17.0226, 0.5304, 0.3265

Trichromacy



Original Color

16.9872, 0.5602, 0.3535

Protanomaly

15.8444, 0.4647, 0.4025

Deuteranomaly

16.2398, 0.5008, 0.4057

Tritanomaly

17.0371, 0.5425, 0.3367

Monochromacy



Original Color

16.9872, 0.5602, 0.3535

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1160, 0.4053, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9872, 0.5602, 0.3535 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(202, 69, 43)` looks like.

```
.text, #text, p{  
    color:rgb(202, 69, 43)  
}
```

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(202, 69, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 69, 43) }
```

Border

The CSS property to change the border of an element to Yxy 16.9872, 0.5602, 0.3535 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(202, 69, 43) }
```

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

```
.border{ border-color:rgb(202, 69, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 69, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 69, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 69, 43);  
box-shadow:4px 4px 4px 4px rgb(202, 69,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9872, 0.5602, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 69, 43) }
```

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

```
.background{ background-color: rgb(202, 69,  
43) }
```

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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