

Converting Colors

$Yxy(15.8782, 0.5611, 0.3532)$

Have a look what the booklet for
Yxy(15.8782, 0.5611, 0.3532)
contains.

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Color

$\text{Yxy}(15.7923, 0.5615, 0.3531)$

Conversions

Conversions Part 1

Format	Color
Hex	C44229
RGB	196, 66, 41
RGB Percent	77%, 26%, 16%
CMY	0.2314, 0.7411, 0.8393
CMYK	0.00, 0.66, 0.79, 0.23
HSL	10°, 65%, 46%
HSV	10°, 79%, 77%
XYZ	25.1129, 15.7923, 3.8195
YIQ	102.0200, 85.5050, 19.7850

Conversions

Conversions Part 2

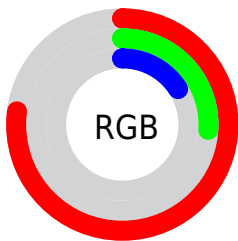
Format	Color
RYB	196, 71, 41
Decimal	12861993
CIELab	46.70, 50.58, 42.63
CIElCh	47, 66.151, 40.129
Yxy	15.7923, 0.5615, 0.3531
Android (android.graphics.Color)	4291052073 (0xFFC44229)
YUV	102.0200, -30.0829, 82.4205
Hunter-Lab	39.7395, 43.2568, 22.1191

Details

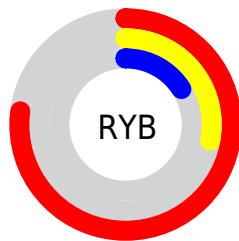
The Yxy color **15.7923, 0.5615, 0.3531** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **33.5659, 0.2186, 0.2885**, and the grayscale version is **13.3564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3975, 0.5044, 0.3591**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0364, 0.5972, 0.3489**, and if you desaturate by 10%, it is **18.1698, 0.5197, 0.3544**.

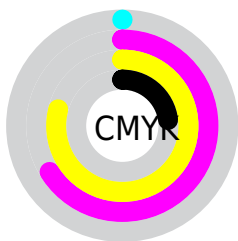
Distribution



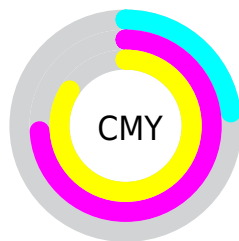
- Red (77%)
- Green (26%)
- Blue (16%)



- Red (77%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (79%)
- Black (23%)




- Cyan (23%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7923, 0.5615, 0.3531 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 15.7923, 0.5615, 0.3531 by changing the saturation by 10% instead.


 15.7923, 0.5615,
0.3531


 15.7923, 0.5615,
0.3531


228.1130, 0.4197,
0.3536


 9.3773, 0.5990,
0.3448


 36.2373, 0.5072,
0.3584


 4.9881, 0.6527,
0.3315

 51.0360, 0.4874,
0.3586

 2.2403, 0.7046,
0.2954

 69.3981, 0.4711,
0.3582

 0.7418, 0.7702,
0.2298

 91.7080, 0.4574,
0.3575

 0.0000, 1.0000,
0.0000

 118.3500, 0.4458,
0.3566

 0.0000, 0.0000,
0.0000

 149.7086, 0.4358,

0.3556

186.1681, 0.4272,
0.3546

■ 15.7923, 0.5615,
0.3531

■ 15.7923, 0.5615,
0.3531

■ 14.0364, 0.5972,
0.3489

■ 18.1698, 0.5197,
0.3544

■ 12.8352, 0.6226,
0.3427

■ 21.2180, 0.4771,
0.3531

■ 12.7504, 0.6246,
0.3422

■ 24.9842, 0.4374,
0.3500

■ 29.5103, 0.4025,
0.3460

■ 34.8353, 0.3729,
0.3415

■ 40.9953, 0.3483,
0.3370

■ 48.0242, 0.3280,
0.3327

■ 55.9541, 0.3113,
0.3287

■ 64.8154, 0.2976,
0.3250

Harmonies

Analogous

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



15.7923, 0.5059, 0.2785



15.7923, 0.5615, 0.3531



15.7923, 0.5272, 0.4364

Triad

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



15.7923, 0.5615, 0.3531



15.7923, 0.2196, 0.5064



15.7923, 0.1645, 0.1525

Complementary

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



15.7923, 0.5615, 0.3531



33.5659, 0.2186, 0.2885

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.



15.7923, 0.1223, 0.1669



15.7923, 0.5615, 0.3531



15.7923, 0.1436, 0.3454

Square

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



15.7923, 0.5615, 0.3531



15.7923, 0.3279, 0.5774



15.7923, 0.1144, 0.2241



15.7923, 0.2492, 0.1690

Rectangle

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



15.7923, 0.5615, 0.3531



15.7923, 0.4715, 0.4969



15.7923, 0.1144, 0.2241



15.7923, 0.1462, 0.1536

Sweetspot

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



15.7932, 0.5615, 0.3531



68.1825, 0.3607, 0.3394



16.3266, 0.3518, 0.1849



13.7545, 0.3700, 0.3410



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.



15.7932, 0.5615, 0.3531



23.7338, 0.6166, 0.3441



31.1638, 0.4663, 0.4430



10.3349, 0.3285, 0.3328



8.2773, 0.6227, 0.3437



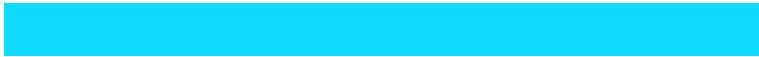
0.4421, 0.5843, 0.3743

Inverse Universe

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



33.5659, 0.2186, 0.2885



56.3485, 0.2112, 0.2785



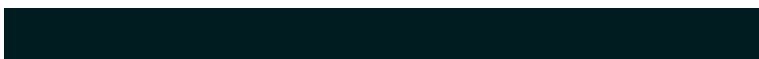
12.6821, 0.1838, 0.1555



11.1424, 0.2984, 0.3252



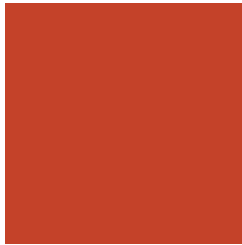
19.8053, 0.2104, 0.2773



0.9315, 0.2139, 0.2900

Previews

White Background



This preview shows how the Yxy color 15.7923, 0.5615, 0.3531 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 15.7923, 0.5615, 0.3531 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 15.7923, 0.5615, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 15.7923, 0.5615, 0.3531.



This preview shows how white text looks on a background with the Yxy color 15.7923, 0.5615, 0.3531.

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

15.7923, 0.5615, 0.3531

Protanopia

16.0656, 0.4006, 0.4400

Deuteranopia

15.9773, 0.4547, 0.4483



Tritanopia

15.8187, 0.5322, 0.3265

Trichromacy



Original Color

15.7923, 0.5615, 0.3531

Protanomaly

14.8902, 0.4657, 0.4026

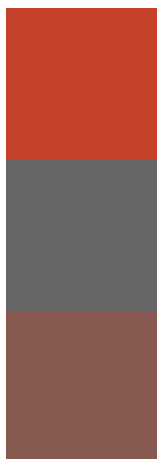
Deuteranomaly

15.0712, 0.5001, 0.4068

Tritanomaly

15.8325, 0.5445, 0.3368

Monochromacy



Original Color

15.7923, 0.5615, 0.3531

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9582, 0.4055, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7923, 0.5615, 0.3531 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(196, 66, 41)` looks like.

```
.text, #text, p{  
    color:rgb(196, 66, 41)  
}
```

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(196, 66, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 66, 41) }
```

Border

The CSS property to change the border of an element to Yxy 15.7923, 0.5615, 0.3531 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(196, 66, 41) }
```

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

```
.border{ border-color:rgb(196, 66, 41) }
```

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

Here you see how a box with a 4 pixel rgb(196, 66, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 66, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 66, 41);  
box-shadow:4px 4px 4px 4px rgb(196, 66,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7923, 0.5615, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 66, 41) }
```

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

```
.background{ background-color: rgb(196, 66,  
41) }
```

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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