

Converting Colors

$Y_{xy}(15.8055, 0.5795, 0.3402)$

Have a look what the booklet for
Yxy(15.8055, 0.5795, 0.3402)
contains.

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Color

Yxy(15.7776, 0.5797, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	CD3629
RGB	205, 54, 41
RGB Percent	80%, 21%, 16%
CMY	0.1960, 0.7883, 0.8392
CMYK	0.00, 0.74, 0.80, 0.20
HSL	5°, 67%, 48%
HSV	5°, 80%, 80%
XYZ	26.9008, 15.7776, 3.7263
YIQ	97.6670, 94.1690, 27.9690

Conversions

Conversions Part 2

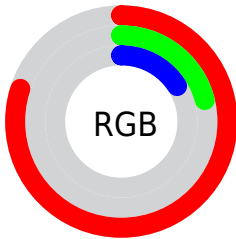
Format	Color
RYB	205, 55, 41
Decimal	13448745
CIELab	46.68, 58.10, 43.14
CIElCh	47, 72.366, 36.592
Yxy	15.7776, 0.5797, 0.3400
Android (android.graphics.Color)	4291638825 (0xFFCD3629)
YUV	97.6670, -27.9368, 94.1310
Hunter-Lab	39.7210, 51.3762, 22.2426

Details

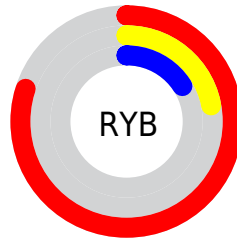
The Yxy color **15.7776, 0.5797, 0.3400** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.6033, 0.2235, 0.3092**, and the grayscale version is **12.1784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3335, 0.5118, 0.3504**, and **5.7508, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.2422, 0.6137, 0.3373**, and if you desaturate by 10%, it is **18.0712, 0.5365, 0.3412**.

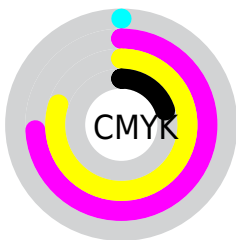
Distribution



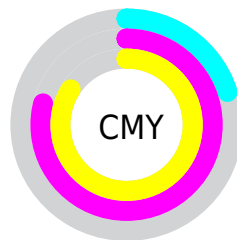
- Red (80%)
- Green (21%)
- Blue (16%)



- Red (80%)
- Yellow (22%)
- Blue (16%)



- Cyan (0%)
- Magenta (74%)
- Yellow (80%)
- Black (20%)




- Cyan (20%)
- Magenta (79%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.7776, 0.5797, 0.3400 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 15.7776, 0.5797, 0.3400 by changing the saturation by 10% instead.


 15.7776, 0.5797,
0.3400


 15.7776, 0.5797,
0.3400


228.0258, 0.4281,
0.3495


 9.3669, 0.6192,
0.3289


 36.2117, 0.5220,
0.3491


 4.9813, 0.6755,
0.3120

 51.0039, 0.5008,
0.3506

 2.2363, 0.7281,
0.2719

 69.3587, 0.4833,
0.3512

 0.7397, 0.7956,
0.2044

 91.6605, 0.4686,
0.3513

 0.0000, 1.0000,
0.0000

 118.2937, 0.4562,
0.3510

 0.0000, 0.0000,
0.0000

 149.6427, 0.4455,

0.3506

186.0920, 0.4362,
0.3501

■ 15.7776, 0.5797,
0.3400

■ 15.7776, 0.5797,
0.3400

■ 14.2422, 0.6137,
0.3373

■ 18.0712, 0.5365,
0.3412

■ 13.3591, 0.6347,
0.3342

■ 21.2009, 0.4907,
0.3410

■ 13.3589, 0.6347,
0.3342

■ 25.2381, 0.4474,
0.3396

■ 30.2459, 0.4095,
0.3377

■ 36.2815, 0.3775,
0.3355

■ 43.3978, 0.3513,
0.3332

■ 51.6442, 0.3300,
0.3310

■ 61.0668, 0.3127,
0.3290

■ 71.7093, 0.2987,
0.3272

Harmonies

Analogous

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



15.7776, 0.5096, 0.2642



15.7776, 0.5797, 0.3400



15.7776, 0.5479, 0.4256

Triad

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



15.7776, 0.5797, 0.3400



15.7776, 0.2218, 0.5440



15.7776, 0.1473, 0.1415

Complementary

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



15.7776, 0.5797, 0.3400



42.6033, 0.2235, 0.3092

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.



15.7776, 0.1083, 0.1597



15.7776, 0.5797, 0.3400



15.7776, 0.1374, 0.3656

Square

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



15.7776, 0.5797, 0.3400



15.7776, 0.3374, 0.5982



15.7776, 0.1035, 0.2251



15.7776, 0.2301, 0.1553

Rectangle

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



15.7776, 0.5797, 0.3400



15.7776, 0.4902, 0.4918



15.7776, 0.1035, 0.2251



15.7776, 0.1301, 0.1436

Sweetspot

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



15.7785, 0.5797, 0.3400



65.8268, 0.3619, 0.3342



18.4677, 0.3340, 0.1727



13.2053, 0.3716, 0.3350



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.



15.7785, 0.5797, 0.3400



22.1885, 0.6296, 0.3346



30.1786, 0.4843, 0.4286



11.3538, 0.3288, 0.3309



8.3705, 0.6335, 0.3352



0.4825, 0.6130, 0.3515

Inverse Universe

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



42.6033, 0.2235, 0.3092



67.0728, 0.2183, 0.3046



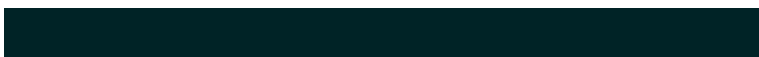
16.4868, 0.1882, 0.1749



12.5693, 0.2984, 0.3271



25.4106, 0.2179, 0.3043



1.3570, 0.2193, 0.3095

Previews

White Background



This preview shows how the Yxy color 15.7776, 0.5797, 0.3400 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 15.7776, 0.5797, 0.3400 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 15.7776, 0.5797, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 15.7776, 0.5797, 0.3400.



This preview shows how white text looks on a background with the Yxy color 15.7776, 0.5797, 0.3400.

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

15.7776, 0.5797, 0.3400

Protanopia

16.0947, 0.3973, 0.4350

Deuteranopia

15.9674, 0.4561, 0.4501



Tritanopia

15.7015, 0.5656, 0.3280

Trichromacy



Original Color

15.7776, 0.5797, 0.3400

Protanomaly

14.4935, 0.4726, 0.3920

Deuteranomaly

14.8187, 0.5118, 0.3993

Tritanomaly

15.7471, 0.5712, 0.3331

Monochromacy



Original Color

15.7776, 0.5797, 0.3400

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8888, 0.4180, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7776, 0.5797, 0.3400 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(205, 54, 41)` looks like.

```
.text, #text, p{  
    color:rgb(205, 54, 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(205, 54, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 54, 41) }
```

Border

The CSS property to change the border of an element to Yxy 15.7776, 0.5797, 0.3400 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(205, 54, 41) }
```

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

```
.border{ border-color:rgb(205, 54, 41) }
```

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

Here you see how a box with a 4 pixel rgb(205, 54, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 54, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 54, 41);  
box-shadow:4px 4px 4px 4px rgb(205, 54,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7776, 0.5797, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 54, 41) }
```

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

```
.background{ background-color: rgb(205, 54,  
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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