

Converting Colors

$Yxy(16.3973, 0.5243, 0.3318)$

Have a look what the booklet for
Yxy(16.3973, 0.5243, 0.3318)
contains.

Yxy(16.3973, 0.5243, 0.3318)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3973, 0.5243, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	C44543
RGB	196, 69, 67
RGB Percent	77%, 27%, 26%
CMY	0.2313, 0.7295, 0.7372
CMYK	0.00, 0.65, 0.66, 0.23
HSL	1°, 52%, 52%
HSV	1°, 66%, 77%
XYZ	25.9105, 16.3973, 7.1114
YIQ	106.7450, 76.3340, 26.3020

Conversions

Conversions Part 2

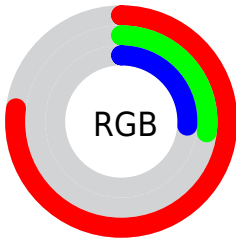
Format	Color
R _Y B	196, 69, 67
Decimal	12862787
CIE Lab	47.49, 50.53, 28.92
CIE LCh	47, 58.225, 29.787
Yxy	16.3973, 0.5243, 0.3318
Android (android.graphics.Color)	4291052867 (0xFFC44543)
YUV	106.7450, -19.5943, 78.2766
Hunter-Lab	40.4936, 43.3525, 17.9331

Details

The Yxy color **16.3973, 0.5243, 0.3318** 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 **43.7852, 0.2350, 0.3258**, and the grayscale version is **14.6673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6637, 0.4732, 0.3374**, and **5.3002, 0.6083, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **14.2012, 0.5704, 0.3317**, and if you desaturate by 10%, it is **19.4470, 0.4772, 0.3316**.

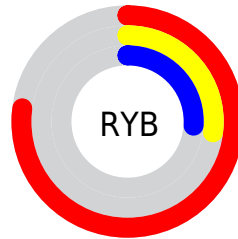
Distribution



Red (77%)

Green (27%)

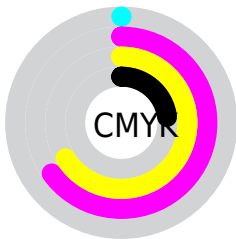
Blue (26%)



Red (77%)

Yellow (27%)

Blue (26%)

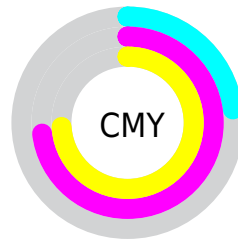


Cyan (0%)

Magenta (65%)

Yellow (66%)

Black (23%)



Cyan (23%)


Magenta (73%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3973, 0.5243, 0.3318 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 16.3973, 0.5243, 0.3318 by changing the saturation by 10% instead.


 16.3973, 0.5243,
0.3318


 16.3973, 0.5243,
0.3318


231.6748, 0.4012,
0.3384


 9.8057, 0.5602,
0.3253


 37.2866, 0.4754,
0.3372


 5.2703, 0.6083,
0.3128

 52.3531, 0.4583,
0.3383

 2.4067, 0.6931,
0.2963

 71.0133, 0.4443,
0.3388

 0.8294, 0.7623,
0.2377

 93.6517, 0.4327,
0.3389

 0.0000, 1.0000,
0.0000

 120.6527, 0.4229,
0.3389

 0.0000, 0.0000,
0.0000

152.4006, 0.4146,

0.3388

189.2798, 0.4074,
0.3387

■ 16.3973, 0.5243,
0.3318

■ 16.3973, 0.5243,
0.3318

■ 14.2012, 0.5704,
0.3317

■ 19.4470, 0.4772,
0.3316

■ 12.7693, 0.6086,
0.3314

■ 23.4223, 0.4341,
0.3312

■ 11.9976, 0.6323,
0.3307

■ 28.3910, 0.3972,
0.3307

■ 11.8035, 0.6390,
0.3308

■ 34.4135, 0.3667,
0.3302

■ 41.5457, 0.3421,
0.3297

■ 49.8393, 0.3223,
0.3292

■ 59.3429, 0.3065,
0.3288

■ 70.1023, 0.2938,
0.3285

■ 82.1610, 0.2835,
0.3281

Harmonies

Analogous

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



16.3973, 0.4472, 0.2638



16.3973, 0.5243, 0.3318



16.3973, 0.5239, 0.4063

Triad

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



16.3973, 0.5243, 0.3318



16.3973, 0.2657, 0.5143



16.3973, 0.1617, 0.1706

Complementary

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



16.3973, 0.5243, 0.3318



43.7852, 0.2350, 0.3258

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.



16.3973, 0.1337, 0.1975



16.3973, 0.5243, 0.3318



16.3973, 0.1821, 0.3928

Square

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



16.3973, 0.5243, 0.3318



16.3973, 0.3675, 0.5406



16.3973, 0.1387, 0.2692



16.3973, 0.2260, 0.1759

Rectangle

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



16.3973, 0.5243, 0.3318



16.3973, 0.4872, 0.4587



16.3973, 0.1387, 0.2692



16.3973, 0.1487, 0.1755

Sweetspot

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



16.3982, 0.5243, 0.3318



69.1769, 0.3525, 0.3299



19.7407, 0.3196, 0.1816



14.0292, 0.3597, 0.3301



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.



16.3982, 0.5243, 0.3318



24.4119, 0.5887, 0.3316



28.5155, 0.4592, 0.4096



10.1020, 0.3289, 0.3294



7.5941, 0.6388, 0.3310



0.3368, 0.6339, 0.3349

Inverse Universe

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



43.7852, 0.2350, 0.3258



77.5627, 0.2277, 0.3251



21.5518, 0.2103, 0.2214



11.4012, 0.2984, 0.3286



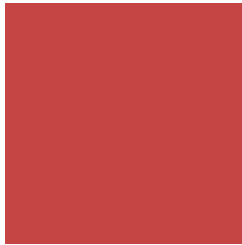
27.0809, 0.2234, 0.3242



1.1787, 0.2237, 0.3252

Previews

White Background



This preview shows how the Yxy color 16.3973, 0.5243, 0.3318 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 16.3973, 0.5243, 0.3318 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 16.3973, 0.5243, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 16.3973, 0.5243, 0.3318.



This preview shows how white text looks on a background with the Yxy color 16.3973, 0.5243, 0.3318.

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

16.3973, 0.5243, 0.3318

Protanopia

16.5879, 0.3621, 0.3868

Deuteranopia

16.5403, 0.4212, 0.4141



Tritanopia

16.3379, 0.5174, 0.3251

Trichromacy



Original Color

16.3973, 0.5243, 0.3318

Protanomaly

15.4890, 0.4218, 0.3621

Deuteranomaly

15.8379, 0.4621, 0.3773

Tritanomaly

16.3122, 0.5206, 0.3274

Monochromacy



Original Color

16.3973, 0.5243, 0.3318

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.0904, 0.3875, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3973, 0.5243, 0.3318 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, 69, 67)` looks like.

```
.text, #text, p{  
  color:rgb(196, 69, 67)  
}
```

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, 69, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 69, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.3973, 0.5243, 0.3318 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, 69, 67) }
```

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

```
.border{ border-color:rgb(196, 69, 67) }
```

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

Here you see how a box with a 4 pixel rgb(196, 69, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 69, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 69, 67);  
box-shadow:4px 4px 4px 4px rgb(196, 69,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3973, 0.5243, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 69, 67) }
```

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

```
.background{ background-color: rgb(196, 69,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor