

Converting Colors

$Y_{xy}(16.2310, 0.5458, 0.3297)$

Have a look what the booklet for
Yxy(16.2310, 0.5458, 0.3297)
contains.

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Color

Yxy(16.2310, 0.5458, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	CA3D3D
RGB	202, 61, 61
RGB Percent	79%, 24%, 24%
CMY	0.2078, 0.7608, 0.7609
CMYK	0.00, 0.70, 0.70, 0.21
HSL	0°, 57%, 52%
HSV	0°, 70%, 79%
XYZ	26.8695, 16.2310, 6.1291
YIQ	103.1590, 84.0360, 29.8920

Conversions

Conversions Part 2

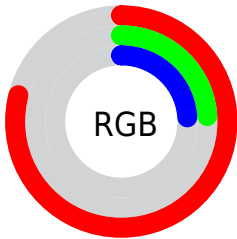
Format	Color
RYB	202, 61, 61
Decimal	13253949
CIELab	47.28, 55.41, 32.45
CIELCh	47, 64.213, 30.352
Yxy	16.2310, 0.5458, 0.3297
Android (android.graphics.Color)	4291444029 (0xFFCA3D3D)
YUV	103.1590, -20.7844, 86.6836
Hunter-Lab	40.2877, 48.5454, 19.1814

Details

The Yxy color **16.2310, 0.5458, 0.3297** 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 **47.4927, 0.2333, 0.3287**, and the grayscale version is **13.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0867, 0.4841, 0.3373**, and **5.6191, 0.6198, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **14.2885, 0.5896, 0.3298**, and if you desaturate by 10%, it is **19.0690, 0.4979, 0.3296**.

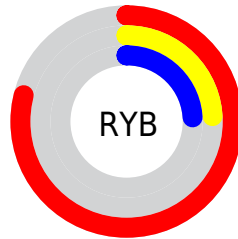
Distribution



Red (79%)

Green (24%)

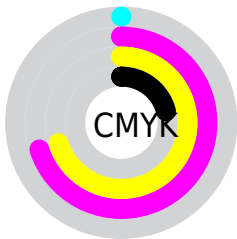
Blue (24%)



Red (79%)

Yellow (24%)

Blue (24%)

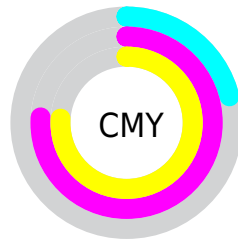


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (21%)



Cyan (21%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2310, 0.5458, 0.3297 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 16.2310, 0.5458, 0.3297 by changing the saturation by 10% instead.


 16.2310, 0.5458,
0.3297


 16.2310, 0.5458,
0.3297


230.7010, 0.4109,
0.3395


 9.6878, 0.5841,
0.3213


 36.9988, 0.4928,
0.3370


 5.1924, 0.6342,
0.3058

 51.9921, 0.4740,
0.3385


 2.3606, 0.7169,
0.2831

 70.5709, 0.4586,
0.3393

 0.8055, 0.7810,
0.2190

 93.1196, 0.4458,
0.3397

 0.0000, 1.0000,
0.0000

 120.0225, 0.4350,
0.3399

 0.0000, 0.0000,
0.0000

 151.6641, 0.4258,

0.3398

188.4288, 0.4178,
0.3397

■ 16.2310, 0.5458,
0.3297

■ 16.2310, 0.5458,
0.3297

■ 14.2885, 0.5896,
0.3298

■ 19.0690, 0.4979,
0.3296

■ 13.1322, 0.6219,
0.3299

■ 22.8895, 0.4522,
0.3294

■ 12.5673, 0.6398,
0.3300

■ 27.7724, 0.4121,
0.3293

■ 12.5582, 0.6401,
0.3300

■ 33.7889, 0.3787,
0.3292

■ 41.0036, 0.3516,
0.3291

■ 49.4767, 0.3298,
0.3291

■ 59.2639, 0.3124,
0.3290

■ 70.4180, 0.2985,
0.3290

■ 82.9886, 0.2873,
0.3289

Harmonies

Analogous

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



16.2310, 0.4632, 0.2584



16.2310, 0.5458, 0.3297



16.2310, 0.5400, 0.4082

Triad

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



16.2310, 0.5458, 0.3297



16.2310, 0.2563, 0.5359



16.2310, 0.1511, 0.1582

Complementary

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



16.2310, 0.5458, 0.3297



47.4927, 0.2333, 0.3287

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.



16.2310, 0.1210, 0.1846



16.2310, 0.5458, 0.3297



16.2310, 0.1682, 0.3960

Square

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



16.2310, 0.5458, 0.3297



16.2310, 0.3652, 0.5619



16.2310, 0.1246, 0.2591



16.2310, 0.2196, 0.1649

Rectangle

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



16.2310, 0.5458, 0.3297



16.2310, 0.4970, 0.4655



16.2310, 0.1246, 0.2591



16.2310, 0.1372, 0.1629

Sweetspot

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



16.2319, 0.5458, 0.3297



67.4848, 0.3552, 0.3291



20.1580, 0.3199, 0.1758



13.6864, 0.3624, 0.3292



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.



16.2319, 0.5458, 0.3297



22.9926, 0.6087, 0.3299



29.2604, 0.4706, 0.4124



11.2139, 0.3290, 0.3291



8.0804, 0.6401, 0.3300



0.4169, 0.6400, 0.3300

Inverse Universe

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



47.4927, 0.2333, 0.3287



79.1902, 0.2271, 0.3287



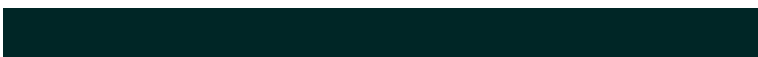
21.6222, 0.2049, 0.2133



12.7268, 0.2984, 0.3290



29.9181, 0.2246, 0.3287



1.5435, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 16.2310, 0.5458, 0.3297 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 16.2310, 0.5458, 0.3297 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 16.2310, 0.5458, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 16.2310, 0.5458, 0.3297.



This preview shows how white text looks on a background with the Yxy color 16.2310, 0.5458, 0.3297.

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

16.2310, 0.5458, 0.3297

Protanopia

16.5270, 0.3673, 0.3947

Deuteranopia

16.2614, 0.4304, 0.4230



Tritanopia

16.2642, 0.5414, 0.3267

Trichromacy



Original Color

16.2310, 0.5458, 0.3297

Protanomaly

15.0658, 0.4351, 0.3648

Deuteranomaly

15.2792, 0.4791, 0.3798

Tritanomaly

16.2529, 0.5428, 0.3277

Monochromacy



Original Color

16.2310, 0.5458, 0.3297

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1730, 0.3974, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2310, 0.5458, 0.3297 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, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(202, 61, 61)  
}
```

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, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 61, 61) }
```

Border

The CSS property to change the border of an element to Yxy 16.2310, 0.5458, 0.3297 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, 61, 61) }
```

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

```
.border{ border-color:rgb(202, 61, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 61, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(202, 61,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2310, 0.5458, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 61, 61) }
```

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

```
.background{ background-color: rgb(202, 61,  
61) }
```

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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