

Converting Colors

$Y_{xy}(16.5822, 0.5258, 0.3419)$

Have a look what the booklet for
Yxy(16.5822, 0.5258, 0.3419)
contains.

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Color

Yxy(16.5822, 0.5258, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	C2493E
RGB	194, 73, 62
RGB Percent	76%, 29%, 24%
CMY	0.2392, 0.7137, 0.7568
CMYK	0.00, 0.62, 0.68, 0.24
HSL	5°, 52%, 50%
HSV	5°, 68%, 76%
XYZ	25.5014, 16.5822, 6.4166
YIQ	107.9250, 75.6470, 22.2310

Conversions

Conversions Part 2

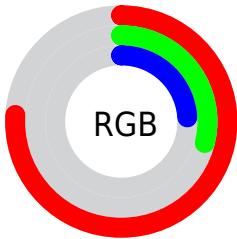
Format	Color
RYB	194, 74, 62
Decimal	12732734
CIELab	47.73, 47.79, 32.05
CIELCh	48, 57.543, 33.845
Yxy	16.5822, 0.5258, 0.3419
Android (android.graphics.Color)	4290922814 (0xFFC2493E)
YUV	107.9250, -22.6410, 75.4878
Hunter-Lab	40.7212, 40.5221, 19.1624

Details

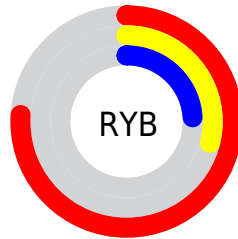
The Yxy color **16.5822, 0.5258, 0.3419** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **38.7954, 0.2303, 0.3117**, and the grayscale version is **15.0238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5645, 0.4760, 0.3463**, and **5.3783, 0.6079, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **14.3944, 0.5699, 0.3410**, and if you desaturate by 10%, it is **19.5161, 0.4805, 0.3413**.

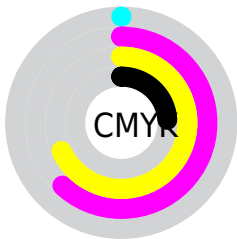
Distribution



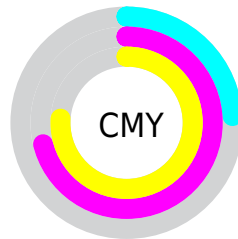
- Red (76%)
- Green (29%)
- Blue (24%)



- Red (76%)
- Yellow (29%)
- Blue (24%)



- Cyan (0%)
- Magenta (62%)
- Yellow (68%)
- Black (24%)




- Cyan (24%)
- Magenta (71%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5822, 0.5258, 0.3419 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 16.5822, 0.5258, 0.3419 by changing the saturation by 10% instead.


 16.5822, 0.5258,
0.3419


 16.5822, 0.5258,
0.3419


232.7531, 0.4024,
0.3435


 9.9371, 0.5612,
0.3363


 37.6060, 0.4771,
0.3457


 5.3572, 0.6080,
0.3248

 52.7535, 0.4599,
0.3460

 2.4584, 0.6904,
0.3096

 71.5039, 0.4458,
0.3459


 0.8557, 0.7502,
0.2498

 94.2415, 0.4342,
0.3456

 0.0000, 1.0000,
0.0000

 121.3509, 0.4243,
0.3451

 0.0000, 0.0000,
0.0000

 153.2164, 0.4159,

0.3446

190.2223, 0.4087,
0.3441

■ 16.5822, 0.5258,
0.3419

■ 16.5822, 0.5258,
0.3419

■ 14.3944, 0.5699,
0.3410

■ 19.5161, 0.4805,
0.3413

■ 12.8826, 0.6065,
0.3385

■ 23.2524, 0.4385,
0.3398

■ 11.9660, 0.6304,
0.3351

■ 27.8451, 0.4021,
0.3376

■ 11.8447, 0.6341,
0.3347

■ 33.3427, 0.3716,
0.3353

■ 39.7902, 0.3465,
0.3329

■ 47.2296, 0.3262,
0.3307

■ 55.7003, 0.3097,
0.3286

■ 65.2395, 0.2963,
0.3267

■ 75.8826, 0.2854,
0.3250

Harmonies

Analogous

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



16.5822, 0.4592, 0.2734



16.5822, 0.5258, 0.3419



16.5822, 0.5160, 0.4165

Triad

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



16.5822, 0.5258, 0.3419



16.5822, 0.2539, 0.4989



16.5822, 0.1699, 0.1714

Complementary

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



16.5822, 0.5258, 0.3419



38.7954, 0.2303, 0.3117

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.



16.5822, 0.1375, 0.1934



16.5822, 0.5258, 0.3419



16.5822, 0.1756, 0.3734

Square

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



16.5822, 0.5258, 0.3419



16.5822, 0.3538, 0.5401



16.5822, 0.1380, 0.2576



16.5822, 0.2389, 0.1805

Rectangle

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



16.5822, 0.5258, 0.3419



16.5822, 0.4757, 0.4682



16.5822, 0.1380, 0.2576



16.5822, 0.1553, 0.1749

Sweetspot

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



16.5831, 0.5258, 0.3419



69.2624, 0.3518, 0.3335



18.4285, 0.3307, 0.1861



14.4202, 0.3588, 0.3341



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.



16.5831, 0.5258, 0.3419



24.4907, 0.5905, 0.3399



29.6552, 0.4558, 0.4219



10.2096, 0.3287, 0.3310



7.8381, 0.6329, 0.3357



0.3857, 0.6089, 0.3548

Inverse Universe

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



38.7954, 0.2303, 0.3117



67.1695, 0.2220, 0.3073



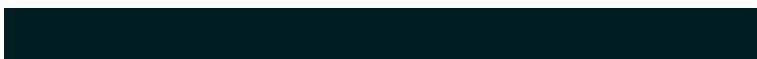
18.1641, 0.2037, 0.2016



11.2804, 0.2984, 0.3270



23.5159, 0.2175, 0.3030



1.0591, 0.2192, 0.3093

Previews

White Background



This preview shows how the Yxy color 16.5822, 0.5258, 0.3419 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 16.5822, 0.5258, 0.3419 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 16.5822, 0.5258, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 16.5822, 0.5258, 0.3419.



This preview shows how white text looks on a background with the Yxy color 16.5822, 0.5258, 0.3419.

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

16.5822, 0.5258, 0.3419

Protanopia

16.7814, 0.3719, 0.4020

Deuteranopia

16.5764, 0.4284, 0.4211



Tritanopia

16.6166, 0.5090, 0.3249

Trichromacy



Original Color

16.5822, 0.5258, 0.3419

Protanomaly

15.7811, 0.4288, 0.3754

Deuteranomaly

15.9635, 0.4677, 0.3858

Tritanomaly

16.6790, 0.5159, 0.3319

Monochromacy



Original Color

16.5822, 0.5258, 0.3419

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.4287, 0.3879, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5822, 0.5258, 0.3419 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(194, 73, 62)` looks like.

```
.text, #text, p{  
    color:rgb(194, 73, 62)  
}
```

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(194, 73, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 73, 62) }
```

Border

The CSS property to change the border of an element to Yxy 16.5822, 0.5258, 0.3419 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(194, 73, 62) }
```

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

```
.border{ border-color:rgb(194, 73, 62) }
```

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

Here you see how a box with a 4 pixel rgb(194, 73, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 73, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 73, 62);  
box-shadow:4px 4px 4px 4px rgb(194, 73,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5822, 0.5258, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 73, 62) }
```

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

```
.background{ background-color: rgb(194, 73,  
62) }
```

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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