

Converting Colors

$Y_{xy}(16.2832, 0.5558, 0.3567)$

Have a look what the booklet for
Yxy(16.2832, 0.5558, 0.3567)
contains.

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Color

Yxy(16.2832, 0.5558, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	C4462A
RGB	196, 70, 42
RGB Percent	77%, 27%, 16%
CMY	0.2314, 0.7254, 0.8354
CMYK	0.00, 0.64, 0.79, 0.23
HSL	11°, 65%, 47%
HSV	11°, 79%, 77%
XYZ	25.3720, 16.2832, 3.9943
YIQ	104.4820, 84.0840, 18.0040

Conversions

Conversions Part 2

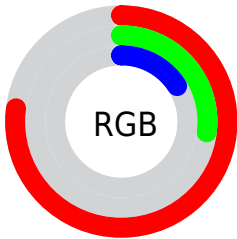
Format	Color
RYB	196, 76, 42
Decimal	12863018
CIELab	47.34, 48.91, 42.76
CIELCh	47, 64.963, 41.163
Yxy	16.2832, 0.5558, 0.3567
Android (android.graphics.Color)	4291053098 (0xFFC4462A)
YUV	104.4820, -30.8036, 80.2613
Hunter-Lab	40.3524, 41.6170, 22.3778

Details

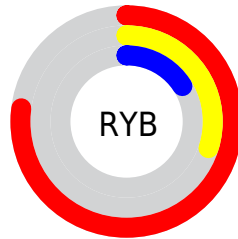
The Yxy color **16.2832, 0.5558, 0.3567** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **32.4692, 0.2175, 0.2834**, and the grayscale version is **14.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4135, 0.4992, 0.3614**, and **5.2594, 0.6362, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **14.4311, 0.5917, 0.3524**, and if you desaturate by 10%, it is **18.7412, 0.5145, 0.3577**.

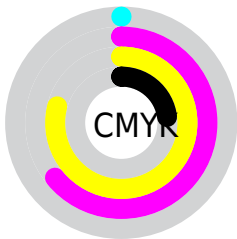
Distribution



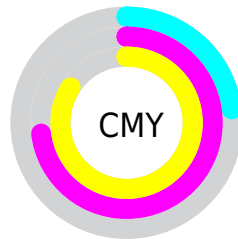
- Red (77%)
- Green (27%)
- Blue (16%)



- Red (77%)
- Yellow (30%)
- Blue (16%)



- Cyan (0%)
- Magenta (64%)
- Yellow (79%)
- Black (23%)





- Cyan (23%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2832, 0.5558, 0.3567 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 16.2832, 0.5558, 0.3567 by changing the saturation by 10% instead.


 16.2832, 0.5558,
0.3567


 16.2832, 0.5558,
0.3567


231.0071, 0.4177,
0.3548


 9.7248, 0.5923,
0.3494


 37.0892, 0.5030,
0.3608


 5.2169, 0.6433,
0.3369

 52.1055, 0.4837,
0.3607


 2.3751, 0.6959,
0.3041

 70.7099, 0.4678,
0.3601

 0.8130, 0.7577,
0.2423

 93.2868, 0.4545,
0.3591

 0.0000, 1.0000,
0.0000

 120.2206, 0.4431,
0.3581

 0.0000, 0.0000,
0.0000

 151.8956, 0.4334,

0.3569

188.6963, 0.4250,
0.3558

■ 16.2832, 0.5558,
0.3567

■ 16.2832, 0.5558,
0.3567

■ 14.4311, 0.5917,
0.3524

■ 18.7412, 0.5145,
0.3577

■ 13.1242, 0.6181,
0.3456

■ 21.8500, 0.4728,
0.3560

■ 12.9772, 0.6214,
0.3448

■ 25.6532, 0.4340,
0.3524

■ 30.1900, 0.4000,
0.3478

■ 35.4964, 0.3711,
0.3428

■ 41.6062, 0.3470,
0.3377

■ 48.5510, 0.3270,
0.3329

■ 56.3608, 0.3106,
0.3284

■ 65.0640, 0.2970,
0.3242

Harmonies

Analogous

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



16.2832, 0.5041, 0.2827



16.2832, 0.5558, 0.3567



16.2832, 0.5211, 0.4390

Triad

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



16.2832, 0.5558, 0.3567



16.2832, 0.2193, 0.4959



16.2832, 0.1697, 0.1560

Complementary

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



16.2832, 0.5558, 0.3567



32.4692, 0.2175, 0.2834

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.



16.2832, 0.1266, 0.1693



16.2832, 0.5558, 0.3567



16.2832, 0.1457, 0.3404

Square

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



16.2832, 0.5558, 0.3567



16.2832, 0.3252, 0.5703



16.2832, 0.1179, 0.2242



16.2832, 0.2547, 0.1732

Rectangle

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



16.2832, 0.5558, 0.3567



16.2832, 0.4662, 0.4977



16.2832, 0.1179, 0.2242



16.2832, 0.1511, 0.1567

Sweetspot

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



16.2841, 0.5558, 0.3567



68.7794, 0.3604, 0.3406



16.3044, 0.3553, 0.1876



13.8942, 0.3696, 0.3425



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.



16.2841, 0.5558, 0.3567



24.4158, 0.6108, 0.3477



32.0485, 0.4624, 0.4456



10.3678, 0.3284, 0.3333



8.4313, 0.6193, 0.3464



0.4568, 0.5785, 0.3789

Inverse Universe

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



32.4692, 0.2175, 0.2834



54.0982, 0.2097, 0.2724



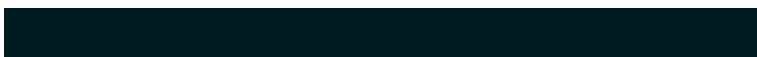
12.3621, 0.1833, 0.1525



11.1066, 0.2984, 0.3247



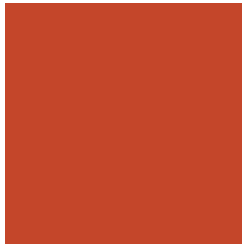
18.9040, 0.2084, 0.2704



0.8999, 0.2125, 0.2848

Previews

White Background



This preview shows how the Yxy color 16.2832, 0.5558, 0.3567 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 16.2832, 0.5558, 0.3567 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 16.2832, 0.5558, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 16.2832, 0.5558, 0.3567.



This preview shows how white text looks on a background with the Yxy color 16.2832, 0.5558, 0.3567.

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

16.2832, 0.5558, 0.3567

Protanopia

16.4366, 0.4025, 0.4402

Deuteranopia

16.3705, 0.4544, 0.4462



Tritanopia

16.3268, 0.5224, 0.3263

Trichromacy



Original Color

16.2832, 0.5558, 0.3567

Protanomaly

15.3590, 0.4632, 0.4039

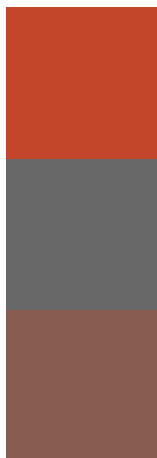
Deuteranomaly

15.8142, 0.4961, 0.4082

Tritanomaly

16.3308, 0.5364, 0.3381

Monochromacy



Original Color

16.2832, 0.5558, 0.3567

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.5667, 0.4031, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2832, 0.5558, 0.3567 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, 70, 42)` looks like.

```
.text, #text, p{  
    color:rgb(196, 70, 42)  
}
```

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, 70, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 70, 42) }
```

Border

The CSS property to change the border of an element to Yxy 16.2832, 0.5558, 0.3567 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, 70, 42) }
```

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

```
.border{ border-color:rgb(196, 70, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 70, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 70, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 70, 42);  
box-shadow:4px 4px 4px 4px rgb(196, 70,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2832, 0.5558, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 70, 42) }
```

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

```
.background{ background-color: rgb(196, 70,  
42) }
```

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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