

Converting Colors

$Yxy(16.3107, 0.5636, 0.3544)$

Have a look what the booklet for
Yxy(16.3107, 0.5636, 0.3544)
contains.

Yxy(16.3096, 0.5635, 0.3542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.3096, 0.5635, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	C74328
RGB	199, 67, 40
RGB Percent	78%, 26%, 16%
CMY	0.2195, 0.7373, 0.8431
CMYK	0.00, 0.66, 0.80, 0.22
HSL	10°, 67%, 47%
HSV	10°, 80%, 78%
XYZ	25.9471, 16.3096, 3.7896
YIQ	103.3900, 87.3390, 19.5870

Conversions

Conversions Part 2

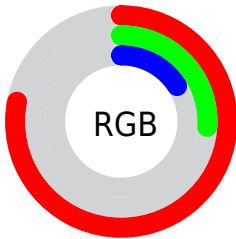
Format	Color
R_{YB}	199, 73, 40
Decimal	13058856
CIE _{Lab}	47.38, 51.17, 43.97
CIE _{LCh}	47, 67.471, 40.673
Yxy	16.3096, 0.5635, 0.3542
Android (android.graphics.Color)	4291248936 (0xFFC74328)
YUV	103.3900, -31.2513, 83.8500
Hunter-Lab	40.3851, 44.0106, 22.7060

Details

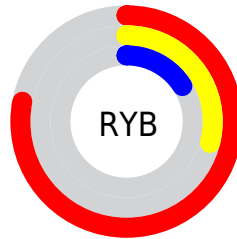
The Yxy color **16.3096, 0.5635, 0.3542** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.0997, 0.2175, 0.2858**, and the grayscale version is **13.7391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.6229, 0.5046, 0.3610**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.5162, 0.5984, 0.3496**, and if you desaturate by 10%, it is **18.7352, 0.5222, 0.3557**.

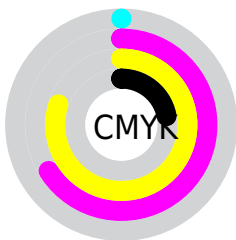
Distribution



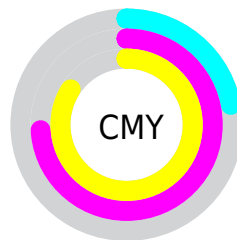
- Red (78%)
- Green (26%)
- Blue (16%)



- Red (78%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (80%)
- Black (22%)




- Cyan (22%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3096, 0.5635, 0.3542 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 16.3096, 0.5635, 0.3542 by changing the saturation by 10% instead.


 16.3096, 0.5635,
0.3542


 16.3096, 0.5635,
0.3542


231.1617, 0.4216,
0.3546


 9.7435, 0.6005,
0.3459


 37.1349, 0.5095,
0.3596


 5.2292, 0.6531,
0.3325

 52.1628, 0.4897,
0.3598


 2.3824, 0.7031,
0.2969

 70.7801, 0.4733,
0.3594

 0.8168, 0.7656,
0.2344

 93.3713, 0.4596,
0.3586

 0.0000, 1.0000,
0.0000

 120.3206, 0.4479,
0.3577

 0.0000, 0.0000,
0.0000

 152.0125, 0.4378,

0.3567

188.8315, 0.4292,
0.3557

16.3096, 0.5635,
0.3542

16.3096, 0.5635,
0.3542

14.5162, 0.5984,
0.3496

18.7352, 0.5222,
0.3557

13.2853, 0.6233,
0.3432

21.8429, 0.4797,
0.3545

13.2746, 0.6235,
0.3431

25.6808, 0.4400,
0.3514

30.2916, 0.4049,
0.3472

35.7149, 0.3750,
0.3425

■ 41.9874, 0.3501,
0.3378

■ 49.1436, 0.3295,
0.3332

■ 57.2161, 0.3125,
0.3290

■ 66.2357, 0.2986,
0.3250

Harmonies

Analogous

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



16.3096, 0.5095, 0.2793



16.3096, 0.5635, 0.3542



16.3096, 0.5272, 0.4382

Triad

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



16.3096, 0.5635, 0.3542



16.3096, 0.2169, 0.5058



16.3096, 0.1646, 0.1514

Complementary

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



16.3096, 0.5635, 0.3542



34.0997, 0.2175, 0.2858

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.



16.3096, 0.1216, 0.1652



16.3096, 0.5635, 0.3542



16.3096, 0.1414, 0.3425

Square

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



16.3096, 0.5635, 0.3542



16.3096, 0.3254, 0.5797



16.3096, 0.1130, 0.2216



16.3096, 0.2506, 0.1685

Rectangle

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



16.3096, 0.5635, 0.3542



16.3096, 0.4704, 0.4992



16.3096, 0.1130, 0.2216



16.3096, 0.1460, 0.1523

Sweetspot

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



16.3106, 0.5635, 0.3542



68.4175, 0.3606, 0.3399



16.6618, 0.3562, 0.1866



13.8095, 0.3698, 0.3416



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.



16.3106, 0.5635, 0.3542



23.7135, 0.6174, 0.3444



32.8611, 0.4648, 0.4463



10.9229, 0.3285, 0.3330



8.6231, 0.6216, 0.3446



0.5011, 0.5845, 0.3741

Inverse Universe

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



34.0997, 0.2175, 0.2858



55.1158, 0.2102, 0.2753



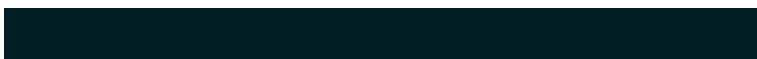
12.4078, 0.1816, 0.1492



11.7495, 0.2984, 0.3250



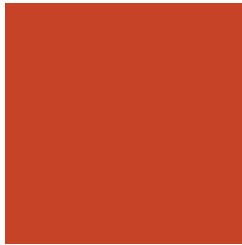
20.1248, 0.2096, 0.2745



1.0362, 0.2131, 0.2870

Previews

White Background



This preview shows how the Yxy color 16.3096, 0.5635, 0.3542 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 16.3096, 0.5635, 0.3542 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 16.3096, 0.5635, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 16.3096, 0.5635, 0.3542.



This preview shows how white text looks on a background with the Yxy color 16.3096, 0.5635, 0.3542.

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

16.3096, 0.5635, 0.3542

Protanopia

16.4273, 0.4036, 0.4418

Deuteranopia

16.3500, 0.4573, 0.4498



Tritanopia

16.3514, 0.5325, 0.3265

Trichromacy



Original Color

16.3096, 0.5635, 0.3542

Protanomaly

15.2545, 0.4682, 0.4043

Deuteranomaly

15.5451, 0.5038, 0.4081

Tritanomaly

16.3554, 0.5460, 0.3377

Monochromacy



Original Color

16.3096, 0.5635, 0.3542

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2948, 0.4078, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3096, 0.5635, 0.3542 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(199, 67, 40)` looks like.

```
.text, #text, p{  
    color:rgb(199, 67, 40)  
}
```

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(199, 67, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 67, 40) }
```

Border

The CSS property to change the border of an element to Yxy 16.3096, 0.5635, 0.3542 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(199, 67, 40) }
```

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

```
.border{ border-color:rgb(199, 67, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 67, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 67, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 67, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 67,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3096, 0.5635, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 67, 40) }
```

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

```
.background{ background-color: rgb(199, 67,  
40) }
```

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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