

Converting Colors

$Y_{xy}(16.5508, 0.5280, 0.3464)$

Have a look what the booklet for
Yxy(16.5508, 0.5280, 0.3464)
contains.

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Color

Yxy(16.5508, 0.5280, 0.3464)

Conversions

Conversions Part 1

Format	Color
Hex	C14A3B
RGB	193, 74, 59
RGB Percent	76%, 29%, 23%
CMY	0.2432, 0.7097, 0.7687
CMYK	0.00, 0.62, 0.69, 0.24
HSL	7°, 53%, 49%
HSV	7°, 69%, 76%
XYZ	25.2275, 16.5508, 6.0011
YIQ	107.8710, 75.7390, 20.5630

Conversions

Conversions Part 2

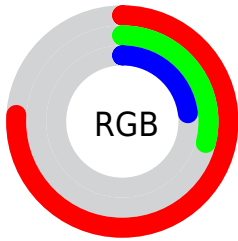
Format	Color
RYB	193, 76, 59
Decimal	12667451
CIELab	47.69, 46.81, 33.70
CIElCh	48, 57.674, 35.750
Yxy	16.5508, 0.5280, 0.3464
Android (android.graphics.Color)	4290857531 (0xFFC14A3B)
YUV	107.8710, -24.0934, 74.6581
Hunter-Lab	40.6827, 39.4941, 19.7320

Details

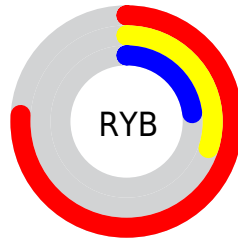
The Yxy color **16.5508, 0.5280, 0.3464** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **36.6006, 0.2278, 0.3050**, and the grayscale version is **15.0130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5003, 0.4793, 0.3491**, and **5.3656, 0.6095, 0.3291** is the 20% darker color. If you saturate the color by 10%, you get **14.4019, 0.5709, 0.3451**, and if you desaturate by 10%, it is **19.3986, 0.4835, 0.3458**.

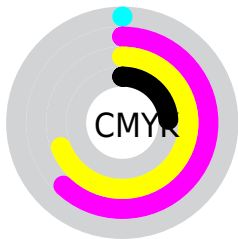
Distribution



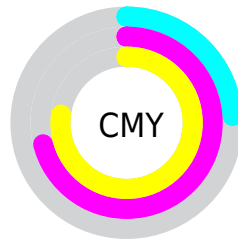
- Red (76%)
- Green (29%)
- Blue (23%)



- Red (76%)
- Yellow (30%)
- Blue (23%)



- Cyan (0%)
- Magenta (62%)
- Yellow (69%)
- Black (24%)




- Cyan (24%)
- Magenta (71%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5508, 0.5280, 0.3464 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 16.5508, 0.5280, 0.3464 by changing the saturation by 10% instead.


 16.5508, 0.5280,
0.3464


 16.5508, 0.5280,
0.3464

232.5703, 0.4036,
0.3460


 9.9147, 0.5634,
0.3411


 37.5518, 0.4791,
0.3495


 5.3425, 0.6098,
0.3296

 52.6856, 0.4617,
0.3496

 2.4496, 0.6873,
0.3127

 71.4207, 0.4475,
0.3492

 0.8512, 0.7468,
0.2532

 94.1415, 0.4357,
0.3487

 0.0000, 1.0000,
0.0000

 121.2325, 0.4258,
0.3480

 0.0000, 0.0000,
0.0000

 153.0780, 0.4173,

0.3473

190.0625, 0.4099,
0.3466

■ 16.5508, 0.5280,
0.3464

■ 16.5508, 0.5280,
0.3464

■ 14.4019, 0.5709,
0.3451

■ 19.3986, 0.4835,
0.3458

■ 12.8886, 0.6063,
0.3417

■ 22.9958, 0.4420,
0.3438

■ 11.9358, 0.6299,
0.3373

■ 27.3916, 0.4055,
0.3410

■ 11.8961, 0.6311,
0.3371

■ 32.6302, 0.3748,
0.3378

■ 38.7523, 0.3495,
0.3347

■ 45.7963, 0.3287,
0.3317

■ 53.7981, 0.3118,
0.3288

■ 62.7918, 0.2981,
0.3263

■ 72.8096, 0.2868,
0.3239

Harmonies

Analogous

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



16.5508, 0.4659, 0.2773



16.5508, 0.5280, 0.3464



16.5508, 0.5135, 0.4215

Triad

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



16.5508, 0.5280, 0.3464



16.5508, 0.2477, 0.4932



16.5508, 0.1728, 0.1708

Complementary

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



16.5508, 0.5280, 0.3464



36.6006, 0.2278, 0.3050

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.



16.5508, 0.1382, 0.1906



16.5508, 0.5280, 0.3464



16.5508, 0.1716, 0.3649

Square

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



16.5508, 0.5280, 0.3464



16.5508, 0.3474, 0.5413



16.5508, 0.1366, 0.2517



16.5508, 0.2444, 0.1817

Rectangle

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



16.5508, 0.5280, 0.3464



16.5508, 0.4711, 0.4732



16.5508, 0.1366, 0.2517



16.5508, 0.1574, 0.1736

Sweetspot

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



16.5517, 0.5280, 0.3464



67.2139, 0.3539, 0.3353



17.7407, 0.3370, 0.1883



13.7488, 0.3607, 0.3362



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.5517, 0.5280, 0.3464



24.3439, 0.5894, 0.3437



30.2286, 0.4544, 0.4283



10.2558, 0.3286, 0.3316



7.9741, 0.6297, 0.3382



0.4066, 0.5993, 0.3624

Inverse Universe

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



36.6006, 0.2278, 0.3050



62.1339, 0.2195, 0.2992



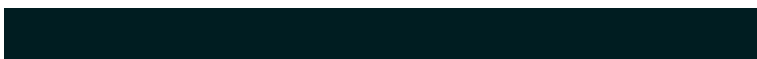
16.4975, 0.1998, 0.1907



11.2292, 0.2984, 0.3263



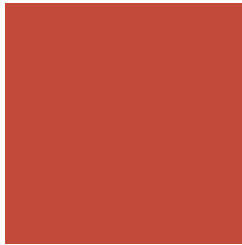
22.0937, 0.2149, 0.2937



1.0106, 0.2173, 0.3022

Previews

White Background



This preview shows how the Yxy color 16.5508, 0.5280, 0.3464 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 16.5508, 0.5280, 0.3464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

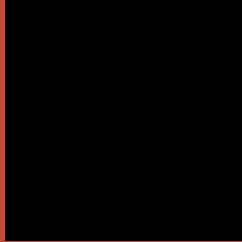
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.5508, 0.5280, 0.3464

Background



This preview shows how black text looks on a background with the Yxy color 16.5508, 0.5280, 0.3464.



This preview shows how white text looks on a background with the Yxy color 16.5508, 0.5280, 0.3464.

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

16.5508, 0.5280, 0.3464

Protanopia

16.8008, 0.3783, 0.4092

Deuteranopia

16.6358, 0.4332, 0.4247



Tritanopia

16.6259, 0.5055, 0.3249

Trichromacy



Original Color

16.5508, 0.5280, 0.3464

Protanomaly

15.7306, 0.4345, 0.3819

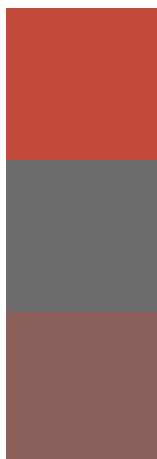
Deuteranomaly

16.1152, 0.4703, 0.3913

Tritanomaly

16.6766, 0.5140, 0.3331

Monochromacy



Original Color

16.5508, 0.5280, 0.3464

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.5929, 0.3889, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5508, 0.5280, 0.3464 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(193, 74, 59)` looks like.

```
.text, #text, p{  
    color:rgb(193, 74, 59)  
}
```

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(193, 74, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 74, 59) }
```

Border

The CSS property to change the border of an element to Yxy 16.5508, 0.5280, 0.3464 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(193, 74, 59) }
```

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

```
.border{ border-color:rgb(193, 74, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 74, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 74, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 74, 59);  
box-shadow:4px 4px 4px 4px rgb(193, 74,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5508, 0.5280, 0.3464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 74, 59) }
```

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

```
.background{ background-color: rgb(193, 74,  
59) }
```

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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