

Converting Colors

$Yxy(16.3810, 0.5057, 0.3426)$

Have a look what the booklet for
Yxy(16.3810, 0.5057, 0.3426)
contains.

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Color

Yxy(16.4188, 0.5064, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	BB4E43
RGB	187, 78, 67
RGB Percent	73%, 31%, 26%
CMY	0.2666, 0.6941, 0.7373
CMYK	0.00, 0.58, 0.64, 0.27
HSL	5°, 47%, 50%
HSV	5°, 64%, 73%
XYZ	24.2334, 16.4188, 7.2021
YIQ	109.3370, 68.4950, 19.6870

Conversions

Conversions Part 2

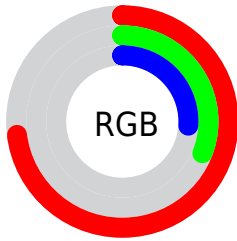
Format	Color
RYB	187, 79, 67
Decimal	12275267
CIELab	47.52, 43.26, 28.63
CIElCh	48, 51.878, 33.498
Yxy	16.4188, 0.5064, 0.3431
Android (android.graphics.Color)	4290465347 (0xFFBB4E43)
YUV	109.3370, -20.8721, 68.1105
Hunter-Lab	40.5201, 35.8432, 17.8258

Details

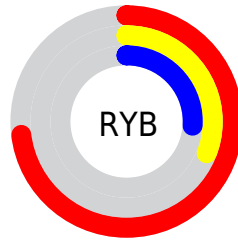
The Yxy color **16.4188, 0.5064, 0.3431** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **35.8396, 0.2328, 0.3112**, and the grayscale version is **15.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4269, 0.4616, 0.3460**, and **5.3043, 0.5855, 0.3309** is the 20% darker color. If you saturate the color by 10%, you get **14.1205, 0.5513, 0.3429**, and if you desaturate by 10%, it is **19.4148, 0.4624, 0.3420**.

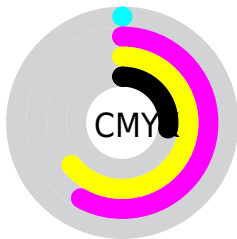
Distribution



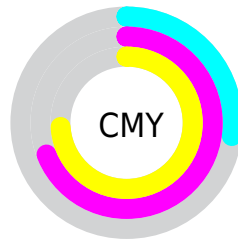
- Red (73%)
- Green (31%)
- Blue (26%)



- Red (73%)
- Yellow (31%)
- Blue (26%)



- Cyan (0%)
- Magenta (58%)
- Yellow (64%)
- Black (27%)



- Cyan (27%)
- Magenta (69%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4188, 0.5064, 0.3431 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 16.4188, 0.5064, 0.3431 by changing the saturation by 10% instead.


 16.4188, 0.5064,
0.3431


 16.4188, 0.5064,
0.3431


231.8004, 0.3934,
0.3423


 9.8210, 0.5398,
0.3391


 37.3237, 0.4613,
0.3453


 5.2804, 0.5848,
0.3302

 52.3997, 0.4456,
0.3453

 2.4127, 0.6661,
0.3194

 71.0704, 0.4328,
0.3449

 0.8324, 0.7343,
0.2657

 93.7204, 0.4222,
0.3445

 0.0000, 1.0000,
0.0000

 120.7340, 0.4132,
0.3439

 0.0000, 0.0000,
0.0000

 152.4956, 0.4056,

0.3434

189.3896, 0.3991,
0.3428

■ 16.4188, 0.5064,
0.3431

■ 16.4188, 0.5064,
0.3431

■ 14.1205, 0.5513,
0.3429

■ 19.4148, 0.4624,
0.3420

■ 12.4609, 0.5916,
0.3409

■ 23.1560, 0.4229,
0.3399

■ 11.3756, 0.6211,
0.3373

■ 27.6888, 0.3891,
0.3375

■ 10.9714, 0.6331,
0.3355

■ 33.0550, 0.3610,
0.3349

■ 39.2936, 0.3381,
0.3323

■ 46.4410, 0.3194,
0.3299

■ 54.5316, 0.3043,
0.3277

■ 63.5981, 0.2919,
0.3257

■ 73.6714, 0.2818,
0.3239

Harmonies

Analogous

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



16.4188, 0.4445, 0.2781



16.4188, 0.5064, 0.3431



16.4188, 0.5009, 0.4131

Triad

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



16.4188, 0.5064, 0.3431



16.4188, 0.2619, 0.4812



16.4188, 0.1801, 0.1831

Complementary

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



16.4188, 0.5064, 0.3431



35.8396, 0.2328, 0.3112

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.



16.4188, 0.1496, 0.2052



16.4188, 0.5064, 0.3431



16.4188, 0.1882, 0.3714

Square

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



16.4188, 0.5064, 0.3431



16.4188, 0.3548, 0.5199



16.4188, 0.1512, 0.2665



16.4188, 0.2446, 0.1910

Rectangle

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



16.4188, 0.5064, 0.3431



16.4188, 0.4658, 0.4599



16.4188, 0.1512, 0.2665



16.4188, 0.1663, 0.1868

Sweetspot

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



16.4197, 0.5064, 0.3431



64.4294, 0.3493, 0.3336



17.7556, 0.3322, 0.1938



13.4969, 0.3561, 0.3344



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.4197, 0.5064, 0.3431



23.9439, 0.5687, 0.3423



28.8652, 0.4440, 0.4208



9.6731, 0.3286, 0.3312



7.6065, 0.6319, 0.3365



0.3460, 0.6044, 0.3583

Inverse Universe

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



35.8396, 0.2328, 0.3112



61.1964, 0.2238, 0.3067



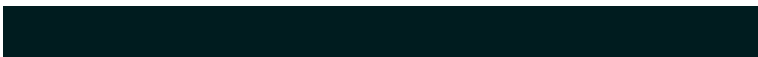
17.5056, 0.2085, 0.2069



10.6560, 0.2985, 0.3268



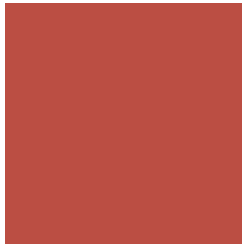
22.3026, 0.2168, 0.3004



0.9177, 0.2188, 0.3078

Previews

White Background



This preview shows how the Yxy color 16.4188, 0.5064, 0.3431 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 16.4188, 0.5064, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

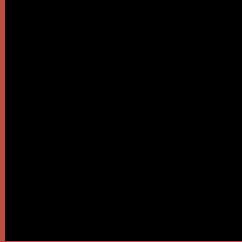
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4188, 0.5064, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 16.4188, 0.5064, 0.3431.



This preview shows how white text looks on a background with the Yxy color 16.4188, 0.5064, 0.3431.

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

16.4188, 0.5064, 0.3431

Protanopia

16.5419, 0.3660, 0.3927

Deuteranopia

16.5510, 0.4200, 0.4125



Tritanopia

16.4543, 0.4872, 0.3232

Trichromacy



Original Color

16.4188, 0.5064, 0.3431

Protanomaly

15.7471, 0.4178, 0.3713

Deuteranomaly

15.9762, 0.4534, 0.3836

Tritanomaly

16.5209, 0.4945, 0.3308

Monochromacy



Original Color

16.4188, 0.5064, 0.3431

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.8619, 0.3784, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4188, 0.5064, 0.3431 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(187, 78, 67)` looks like.

```
.text, #text, p{  
    color:rgb(187, 78, 67)  
}
```

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(187, 78, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 78, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.4188, 0.5064, 0.3431 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(187, 78, 67) }
```

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

```
.border{ border-color:rgb(187, 78, 67) }
```

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

Here you see how a box with a 4 pixel rgb(187, 78, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 78, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 78, 67);  
box-shadow:4px 4px 4px 4px rgb(187, 78,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4188, 0.5064, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 78, 67) }
```

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

```
.background{ background-color: rgb(187, 78,  
67) }
```

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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