

Converting Colors

$Y_{xy}(15.3959, 0.4710, 0.3162)$

Have a look what the booklet for
Yxy(15.3959, 0.4710, 0.3162)
contains.

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Color

Yxy(15.3913, 0.4716, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	B44B55
RGB	180, 75, 85
RGB Percent	71%, 29%, 33%
CMY	0.2941, 0.7058, 0.6667
CMYK	0.00, 0.58, 0.53, 0.29
HSL	354°, 41%, 50%
HSV	354°, 58%, 71%
XYZ	22.9773, 15.3913, 10.3534
YIQ	107.5350, 59.3700, 25.3700

Conversions

Conversions Part 2

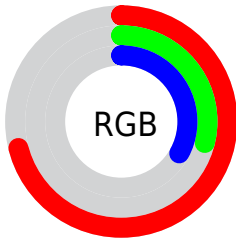
Format	Color
RYB	180, 75, 85
Decimal	11815765
CIELab	46.17, 43.52, 15.90
CIElCh	46, 46.333, 20.065
Yxy	15.3913, 0.4716, 0.3159
Android (android.graphics.Color)	4290005845 (0xFFB44B55)
YUV	107.5350, -11.1098, 63.5518
Hunter-Lab	39.2317, 35.8887, 11.8153

Details

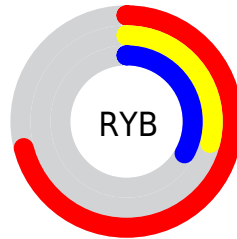
The Yxy color **15.3913, 0.4716, 0.3159** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **37.0396, 0.2468, 0.3452**, and the grayscale version is **14.8796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7129, 0.4326, 0.3217**, and **4.7911, 0.5437, 0.3008** is the 20% darker color. If you saturate the color by 10%, you get **13.0561, 0.5159, 0.3155**, and if you desaturate by 10%, it is **18.4783, 0.4312, 0.3175**.

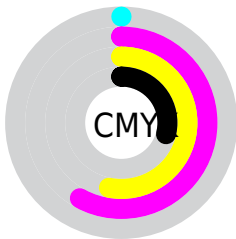
Distribution



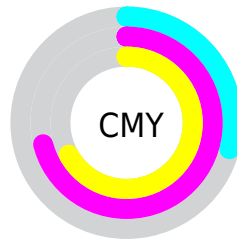
- Red (71%)
- Green (29%)
- Blue (33%)



- Red (71%)
- Yellow (29%)
- Blue (33%)



- Cyan (0%)
- Magenta (58%)
- Yellow (53%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3913, 0.4716, 0.3159 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 15.3913, 0.4716, 0.3159 by changing the saturation by 10% instead.


 15.3913, 0.4716,
0.3159


 15.3913, 0.4716,
0.3159


225.7226, 0.3772,
0.3273


 9.0945, 0.5013,
0.3102

 35.5382, 0.4330,
0.3218


 4.8029, 0.5436,
0.3004

 50.1570, 0.4199,
0.3234

 2.1321, 0.6075,
0.2818

 68.3187, 0.4093,
0.3246

 0.6826, 0.7497,
0.2503

 90.4075, 0.4006,
0.3254

 0.0000, 1.0000,
0.0000

 116.8079, 0.3933,
0.3261

 0.0000, 0.0000,
0.0000

147.9043, 0.3871,

0.3266

184.0811, 0.3818,
0.3270

■ 15.3913, 0.4716,
0.3159

■ 15.3913, 0.4716,
0.3159

■ 13.0561, 0.5159,
0.3155

■ 18.4783, 0.4312,
0.3175

■ 11.4063, 0.5601,
0.3167

■ 22.3715, 0.3965,
0.3197

■ 10.3677, 0.5984,
0.3196

■ 27.1229, 0.3678,
0.3221

■ 9.8181, 0.6254,
0.3235

■ 32.7795, 0.3444,
0.3247

■ 9.7436, 0.6290,
0.3239

■ 39.3850, 0.3256,
0.3271

■ 46.9801, 0.3104,
0.3294

■ 55.6032, 0.2982,
0.3315

■ 65.2907, 0.2883,
0.3333

■ 76.0772, 0.2802,
0.3351

Harmonies

Analogous

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



15.3913, 0.3932, 0.2581



15.3913, 0.4716, 0.3159



15.3913, 0.4958, 0.3804

Triad

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



15.3913, 0.4716, 0.3159



15.3913, 0.3054, 0.4924



15.3913, 0.1728, 0.1990

Complementary

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



15.3913, 0.4716, 0.3159



37.0396, 0.2468, 0.3452

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.



15.3913, 0.1576, 0.2360



15.3913, 0.4716, 0.3159



15.3913, 0.2256, 0.4157

Square

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



15.3913, 0.4716, 0.3159



15.3913, 0.3918, 0.4952



15.3913, 0.1741, 0.3118



15.3913, 0.2191, 0.1939

Rectangle

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



15.3913, 0.4716, 0.3159



15.3913, 0.4790, 0.4244



15.3913, 0.1741, 0.3118



15.3913, 0.1643, 0.2074

Sweetspot

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



15.3921, 0.4716, 0.3159



60.5990, 0.3423, 0.3249



16.8187, 0.3058, 0.1889



12.6256, 0.3464, 0.3244



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



15.3921, 0.4716, 0.3159



22.6941, 0.5288, 0.3156



22.9345, 0.4478, 0.3882



8.5180, 0.3273, 0.3269



6.8055, 0.6272, 0.3229



0.2184, 0.5810, 0.2974

Inverse Universe

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



15.3921, 0.4716, 0.3159



22.6941, 0.5288, 0.3156



22.9687, 0.2254, 0.2559



8.5180, 0.3273, 0.3269



6.8055, 0.6272, 0.3229



0.2184, 0.5810, 0.2974

Previews

White Background



This preview shows how the Yxy color 15.3913, 0.4716, 0.3159 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 15.3913, 0.4716, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

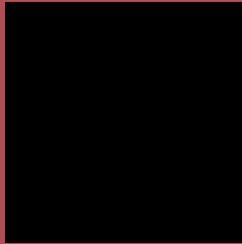
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3913, 0.4716, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 15.3913, 0.4716, 0.3159.



This preview shows how white text looks on a background with the Yxy color 15.3913, 0.4716, 0.3159.

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

15.3913, 0.4716, 0.3159

Protanopia

15.6886, 0.3284, 0.3455

Deuteranopia

15.4282, 0.3842, 0.3775



Tritanopia

15.4663, 0.4777, 0.3227

Trichromacy



Original Color

15.3913, 0.4716, 0.3159

Protanomaly

14.7972, 0.3774, 0.3310

Deuteranomaly

14.9105, 0.4166, 0.3502

Tritanomaly

15.4814, 0.4760, 0.3214

Monochromacy



Original Color

15.3913, 0.4716, 0.3159

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.3542, 0.3655, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3913, 0.4716, 0.3159 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(180, 75, 85)` looks like.

```
.text, #text, p{  
    color:rgb(180, 75, 85)  
}
```

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(180, 75, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 75, 85) }
```

Border

The CSS property to change the border of an element to Yxy 15.3913, 0.4716, 0.3159 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(180, 75, 85) }
```

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

```
.border{ border-color:rgb(180, 75, 85) }
```

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

Here you see how a box with a 4 pixel rgb(180, 75, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 75, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 75, 85);  
box-shadow:4px 4px 4px 4px rgb(180, 75,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3913, 0.4716, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 75, 85) }
```

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

```
.background{ background-color: rgb(180, 75,  
85) }
```

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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