

Converting Colors

$Yxy(15.7576, 0.5199, 0.2993)$

Have a look what the booklet for
Yxy(15.7576, 0.5199, 0.2993)
contains.

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Color

Yxy(15.7617, 0.5193, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	CB3452
RGB	203, 52, 82
RGB Percent	80%, 20%, 32%
CMY	0.2040, 0.7959, 0.6785
CMYK	0.00, 0.74, 0.60, 0.20
HSL	348°, 59%, 50%
HSV	348°, 74%, 80%
XYZ	27.3748, 15.7617, 9.5783
YIQ	100.5690, 80.3660, 41.3420

Conversions

Conversions Part 2

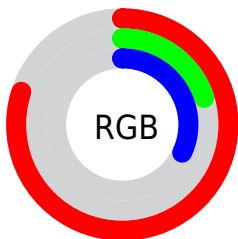
Format	Color
R_{YB}	203, 52, 82
Decimal	13317202
CIE _{Lab}	46.66, 60.11, 19.09
CIE _{LCh}	47, 63.068, 17.616
Yxy	15.7617, 0.5193, 0.2990
Android (android.graphics.Color)	4291507282 (0xFFCB3452)
YUV	100.5690, -9.1545, 89.8320
Hunter-Lab	39.7010, 53.6031, 13.4864

Details

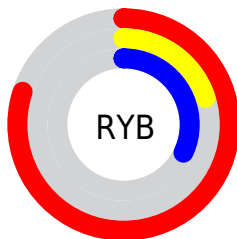
The Yxy color **15.7617, 0.5193, 0.2990** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **46.4519, 0.2451, 0.3755**, and the grayscale version is **12.9105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0506, 0.4615, 0.3086**, and **5.8907, 0.5822, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **14.1030, 0.5595, 0.3022**, and if you desaturate by 10%, it is **18.2596, 0.4780, 0.2991**.

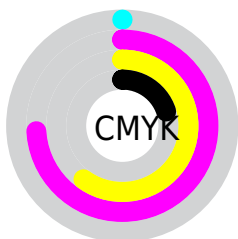
Distribution



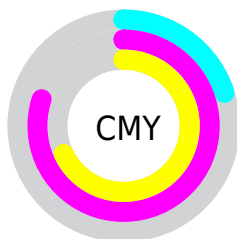
- Red (80%)
- Green (20%)
- Blue (32%)



- Red (80%)
- Yellow (20%)
- Blue (32%)



- Cyan (0%)
- Magenta (74%)
- Yellow (60%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7617, 0.5193, 0.2990 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 15.7617, 0.5193, 0.2990 by changing the saturation by 10% instead.


 15.7617, 0.5193,
0.2990


 15.7617, 0.5193,
0.2990


227.9314, 0.3980,
0.3221


 9.3557, 0.5559,
0.2891


 36.1840, 0.4705,
0.3101


 4.9739, 0.6063,
0.2730

 50.9691, 0.4536,
0.3134

 2.2320, 0.6796,
0.2461

 69.3160, 0.4399,
0.3159

 0.7373, 0.8020,
0.1980

 91.6091, 0.4286,
0.3177

 0.0000, 1.0000,
0.0000

 118.2328, 0.4191,
0.3192

 0.0000, 0.0000,
0.0000

149.5715, 0.4110,

0.3204

186.0096, 0.4040,
0.3214

■ 15.7617, 0.5193,
0.2990

■ 15.7617, 0.5193,
0.2990

■ 14.1030, 0.5595,
0.3022

■ 18.2596, 0.4780,
0.2991

■ 13.1688, 0.5936,
0.3088


■ 21.6866, 0.4394,
0.3018


■ 12.8484, 0.6092,
0.3130

■ 26.1238, 0.4055,
0.3061


■ 31.6428, 0.3768,
0.3112

■ 38.3087, 0.3532,
0.3166

 46.1813, 0.3340,
0.3219

 55.3164, 0.3185,
0.3269

 65.7662, 0.3060,
0.3316

 77.5800, 0.2958,
0.3359

Harmonies

Analogous

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



15.7617, 0.4083, 0.2319



15.7617, 0.5193, 0.2990



15.7617, 0.5511, 0.3740

Triad

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



15.7617, 0.5193, 0.2990



15.7617, 0.3023, 0.5613



15.7617, 0.1351, 0.1658

Complementary

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



15.7617, 0.5193, 0.2990



46.4519, 0.2451, 0.3755

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.



15.7617, 0.1194, 0.2101



15.7617, 0.5193, 0.2990



15.7617, 0.2018, 0.4617

Square

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



15.7617, 0.5193, 0.2990



15.7617, 0.4106, 0.5382



15.7617, 0.1387, 0.3105



15.7617, 0.1860, 0.1594

Rectangle

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



15.7617, 0.5193, 0.2990



15.7617, 0.5260, 0.4286



15.7617, 0.1387, 0.3105



15.7617, 0.1262, 0.1756

Sweetspot

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



15.7626, 0.5193, 0.2990



66.7153, 0.3489, 0.3177



15.6316, 0.2840, 0.1521



13.5564, 0.3547, 0.3162



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.



15.7626, 0.5193, 0.2990



22.5747, 0.5804, 0.3057



21.5518, 0.5188, 0.3784



11.2494, 0.3259, 0.3244



8.1891, 0.6062, 0.3113



0.4335, 0.5519, 0.2814

Inverse Universe

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



15.7626, 0.5193, 0.2990



22.5747, 0.5804, 0.3057



29.3933, 0.2126, 0.2564



11.2494, 0.3259, 0.3244



8.1891, 0.6062, 0.3113



0.4335, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 15.7617, 0.5193, 0.2990 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 15.7617, 0.5193, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

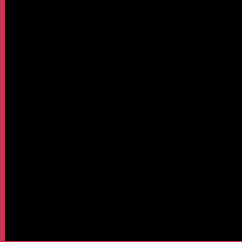
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7617, 0.5193, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 15.7617, 0.5193, 0.2990.



This preview shows how white text looks on a background with the Yxy color 15.7617, 0.5193, 0.2990.

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

15.7617, 0.5193, 0.2990

Protanopia

16.0504, 0.3192, 0.3331

Deuteranopia

15.7890, 0.3963, 0.3895



Tritanopia

15.7986, 0.5521, 0.3278

Trichromacy



Original Color

15.7617, 0.5193, 0.2990

Protanomaly

14.3242, 0.3885, 0.3133

Deuteranomaly

14.4605, 0.4463, 0.3439

Tritanomaly

15.6942, 0.5417, 0.3179

Monochromacy



Original Color

15.7617, 0.5193, 0.2990

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.3979, 0.3884, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7617, 0.5193, 0.2990 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(203, 52, 82)` looks like.

```
.text, #text, p{  
    color:rgb(203, 52, 82)  
}
```

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(203, 52, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 52, 82) }
```

Border

The CSS property to change the border of an element to Yxy 15.7617, 0.5193, 0.2990 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(203, 52, 82) }
```

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

```
.border{ border-color:rgb(203, 52, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 52, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 52, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 52, 82);  
box-shadow:4px 4px 4px 4px rgb(203, 52,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7617, 0.5193, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 52, 82) }
```

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

```
.background{ background-color: rgb(203, 52,  
82) }
```

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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