

Converting Colors

$Y_{xy}(14.7915, 0.5035, 0.2901)$

Have a look what the booklet for
Yxy(14.7915, 0.5035, 0.2901)
contains.

Yxy(14.7915, 0.5035, 0.2901)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.7915, 0.5035, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	C43357
RGB	196, 51, 87
RGB Percent	77%, 20%, 34%
CMY	0.2313, 0.8001, 0.6587
CMYK	0.00, 0.74, 0.56, 0.23
HSL	345°, 59%, 48%
HSV	345°, 74%, 77%
XYZ	25.6723, 14.7915, 10.5238
YIQ	98.4590, 74.8640, 41.9360

Conversions

Conversions Part 2

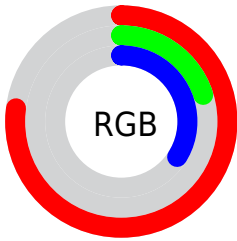
Format	Color
R_{YB}	196, 51, 87
Decimal	12858199
CIE Lab	45.35, 58.78, 13.99
CIE LCh	45, 60.419, 13.385
Yxy	14.7915, 0.5035, 0.2901
Android (android.graphics.Color)	4291048279 (0xFFC43357)
YUV	98.4590, -5.6493, 85.5435
Hunter-Lab	38.4597, 51.8460, 10.6981

Details

The Yxy color **14.7915, 0.5035, 0.2901** 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 **42.7260, 0.2490, 0.3876**, and the grayscale version is **12.3341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0034, 0.4543, 0.3016**, and **5.4014, 0.5669, 0.2896** is the 20% darker color. If you saturate the color by 10%, you get **13.2093, 0.5421, 0.2929**, and if you desaturate by 10%, it is **17.1460, 0.4649, 0.2911**.

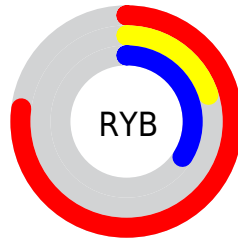
Distribution



Red (77%)

Green (20%)

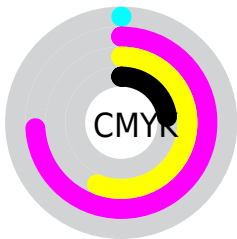
Blue (34%)



Red (77%)

Yellow (20%)

Blue (34%)

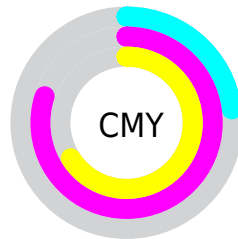


Cyan (0%)

Magenta (74%)

Yellow (56%)

Black (23%)



Cyan (23%)


Magenta (80%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7915, 0.5035, 0.2901 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 14.7915, 0.5035, 0.2901 by changing the saturation by 10% instead.


 14.7915, 0.5035,
0.2901


 14.7915, 0.5035,
0.2901


222.1007, 0.3903,
0.3170


 8.6732, 0.5387,
0.2796


 34.4870, 0.4575,
0.3023


 4.5286, 0.5881,
0.2631

 48.8330, 0.4417,
0.3061


 1.9734, 0.6608,
0.2353

 66.6903, 0.4290,
0.3090

 0.5920, 0.8150,
0.1850

 88.4433, 0.4185,
0.3113

 0.0000, 1.0000,
0.0000

 114.4765, 0.4097,
0.3132

 0.0000, 0.0000,
0.0000

145.1742, 0.4023,

0.3147

180.9208, 0.3959,
0.3160

■ 14.7915, 0.5035,
0.2901

■ 14.7915, 0.5035,
0.2901

■ 13.2093, 0.5421,
0.2929

■ 17.1460, 0.4649,
0.2911

■ 12.2962, 0.5766,
0.2998

■ 20.3539, 0.4292,
0.2949

■ 11.9567, 0.5944,
0.3048

■ 24.4885, 0.3980,
0.3005

■ 29.6148, 0.3717,
0.3070

■ 35.7916, 0.3499,
0.3137

■ 43.0735, 0.3321,
0.3203

■ 51.5108, 0.3177,
0.3266

■ 61.1511, 0.3060,
0.3325

■ 72.0391, 0.2964,
0.3378

Harmonies

Analogous

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



14.7915, 0.3881, 0.2254



14.7915, 0.5035, 0.2901



14.7915, 0.5477, 0.3635

Triad

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



14.7915, 0.5035, 0.2901



14.7915, 0.3186, 0.5595



14.7915, 0.1336, 0.1721

Complementary

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



14.7915, 0.5035, 0.2901



42.7260, 0.2490, 0.3876

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.



14.7915, 0.1228, 0.2227



14.7915, 0.5035, 0.2901



14.7915, 0.2166, 0.4783

Square

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



14.7915, 0.5035, 0.2901



14.7915, 0.4243, 0.5255



14.7915, 0.1477, 0.3303



14.7915, 0.1787, 0.1611

Rectangle

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



14.7915, 0.5035, 0.2901



14.7915, 0.5303, 0.4165



14.7915, 0.1477, 0.3303



14.7915, 0.1263, 0.1838

Sweetspot

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



14.7924, 0.5035, 0.2901



66.8568, 0.3467, 0.3148



13.8009, 0.2754, 0.1485



13.5893, 0.3521, 0.3130



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.



14.7924, 0.5035, 0.2901



22.7400, 0.5649, 0.2969



18.8320, 0.5256, 0.3694



10.1180, 0.3251, 0.3233



7.6934, 0.5910, 0.3029



0.3439, 0.5256, 0.2669

Inverse Universe

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



14.7924, 0.5035, 0.2901



22.7400, 0.5649, 0.2969



29.7465, 0.2163, 0.2696



10.1180, 0.3251, 0.3233



7.6934, 0.5910, 0.3029



0.3439, 0.5256, 0.2669

Previews

White Background



This preview shows how the Yxy color 14.7915, 0.5035, 0.2901 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 14.7915, 0.5035, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

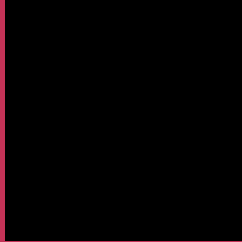
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7915, 0.5035, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 14.7915, 0.5035, 0.2901.



This preview shows how white text looks on a background with the Yxy color 14.7915, 0.5035, 0.2901.

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

14.7915, 0.5035, 0.2901

Protanopia

15.1511, 0.3040, 0.3146

Deuteranopia

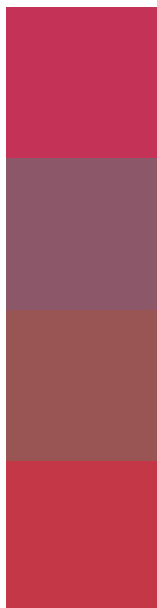
15.0690, 0.3819, 0.3762



Tritanopia

14.8546, 0.5450, 0.3267

Trichromacy



Original Color

14.7915, 0.5035, 0.2901

Protanomaly

13.4118, 0.3706, 0.2964

Deuteranomaly

13.8938, 0.4298, 0.3327

Tritanomaly

14.7767, 0.5305, 0.3138

Monochromacy



Original Color

14.7915, 0.5035, 0.2901

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.7613, 0.3829, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7915, 0.5035, 0.2901 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(196, 51, 87)` looks like.

```
.text, #text, p{  
    color:rgb(196, 51, 87)  
}
```

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(196, 51, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 51, 87) }
```

Border

The CSS property to change the border of an element to Yxy 14.7915, 0.5035, 0.2901 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(196, 51, 87) }
```

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

```
.border{ border-color:rgb(196, 51, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 51, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 51, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 51, 87);  
box-shadow:4px 4px 4px 4px rgb(196, 51,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7915, 0.5035, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 51, 87) }
```

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

```
.background{ background-color: rgb(196, 51,  
87) }
```

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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