

Converting Colors

$Y_{xy}(15.8550, 0.5025, 0.2895)$

Have a look what the booklet for
Yxy(15.8550, 0.5025, 0.2895)
contains.

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Color

Yxy(15.8409, 0.5032, 0.2901)

Conversions

Conversions Part 1

Format	Color
Hex	CA355A
RGB	202, 53, 90
RGB Percent	79%, 21%, 35%
CMY	0.2078, 0.7922, 0.6470
CMYK	0.00, 0.74, 0.55, 0.21
HSL	345°, 58%, 50%
HSV	345°, 74%, 79%
XYZ	27.4772, 15.8409, 11.2868
YIQ	101.7690, 76.9270, 43.0950

Conversions

Conversions Part 2

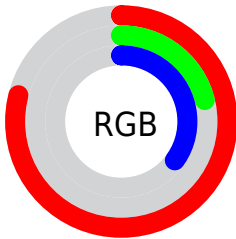
Format	Color
R_{YB}	202, 53, 90
Decimal	13251930
CIE _{Lab}	46.77, 60.07, 14.26
CIE _{LCh}	47, 61.741, 13.359
Yxy	15.8409, 0.5032, 0.2901
Android (android.graphics.Color)	4291442010 (0xFFCA355A)
YUV	101.7690, -5.8021, 87.9026
Hunter-Lab	39.8006, 53.5802, 11.0467

Details

The Yxy color **15.8409, 0.5032, 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 **45.7157, 0.2491, 0.3876**, and the grayscale version is **13.2246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5223, 0.4495, 0.3004**, and **5.8522, 0.5639, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **14.1395, 0.5419, 0.2929**, and if you desaturate by 10%, it is **18.3726, 0.4645, 0.2911**.

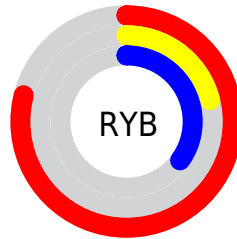
Distribution



Red (79%)

Green (21%)

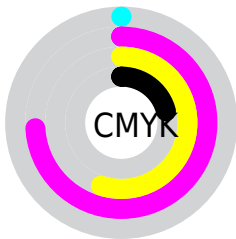
Blue (35%)



Red (79%)

Yellow (21%)

Blue (35%)

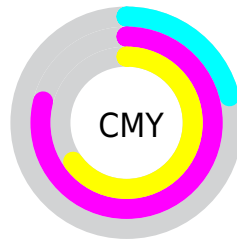


Cyan (0%)

Magenta (74%)

Yellow (55%)

Black (21%)



Cyan (21%)


Magenta (79%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8409, 0.5032, 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 15.8409, 0.5032, 0.2901 by changing the saturation by 10% instead.


 15.8409, 0.5032,
0.2901


 15.8409, 0.5032,
0.2901


228.4011, 0.3913,
0.3168


 9.4116, 0.5374,
0.2799


 36.3218, 0.4580,
0.3021


 5.0106, 0.5851,
0.2641

 51.1422, 0.4424,
0.3059


 2.2535, 0.6542,
0.2377

 69.5284, 0.4298,
0.3088

 0.7489, 0.8008,
0.1992

 91.8649, 0.4194,
0.3111

 0.0000, 1.0000,
0.0000

 118.5360, 0.4107,
0.3129

 0.0000, 0.0000,
0.0000

149.9262, 0.4032,

0.3145

186.4197, 0.3968,
0.3157

■ 15.8409, 0.5032,
0.2901

■ 15.8409, 0.5032,
0.2901

■ 14.1395, 0.5419,
0.2929

■ 18.3726, 0.4645,
0.2911

■ 13.1574, 0.5765,
0.2997

■ 21.8217, 0.4288,
0.2950

■ 12.7890, 0.5949,
0.3051

■ 26.2671, 0.3976,
0.3006

■ 31.7785, 0.3713,
0.3071

■ 38.4194, 0.3496,
0.3139

■ 46.2480, 0.3318,
0.3205

■ 55.3188, 0.3174,
0.3268

■ 65.6828, 0.3057,
0.3326

■ 77.3880, 0.2962,
0.3379

Harmonies

Analogous

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



15.8409, 0.3879, 0.2255



15.8409, 0.5032, 0.2901



15.8409, 0.5475, 0.3634

Triad

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



15.8409, 0.5032, 0.2901



15.8409, 0.3188, 0.5592



15.8409, 0.1337, 0.1723

Complementary

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



15.8409, 0.5032, 0.2901



45.7157, 0.2491, 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.



15.8409, 0.1229, 0.2229



15.8409, 0.5032, 0.2901



15.8409, 0.2168, 0.4782

Square

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



15.8409, 0.5032, 0.2901



15.8409, 0.4244, 0.5253



15.8409, 0.1479, 0.3304



15.8409, 0.1787, 0.1612

Rectangle

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



15.8409, 0.5032, 0.2901



15.8409, 0.5302, 0.4164



15.8409, 0.1479, 0.3304



15.8409, 0.1265, 0.1840

Sweetspot

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



15.8418, 0.5032, 0.2901



66.8567, 0.3467, 0.3148



14.7835, 0.2755, 0.1486



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.



15.8418, 0.5032, 0.2901



22.7399, 0.5649, 0.2969



20.1688, 0.5253, 0.3694



11.2586, 0.3252, 0.3233



8.2414, 0.5916, 0.3033



0.4377, 0.5345, 0.2718

Inverse Universe

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



15.8418, 0.5032, 0.2901



22.7399, 0.5649, 0.2969



31.8425, 0.2163, 0.2697



11.2586, 0.3252, 0.3233



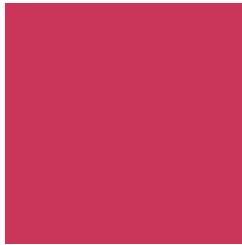
8.2414, 0.5916, 0.3033



0.4377, 0.5345, 0.2718

Previews

White Background



This preview shows how the Yxy color 15.8409, 0.5032, 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 15.8409, 0.5032, 0.2901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

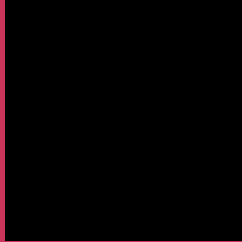
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8409, 0.5032, 0.2901

Background



This preview shows how black text looks on a background with the Yxy color 15.8409, 0.5032, 0.2901.



This preview shows how white text looks on a background with the Yxy color 15.8409, 0.5032, 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

15.8409, 0.5032, 0.2901

Protanopia

16.1455, 0.3043, 0.3130

Deuteranopia

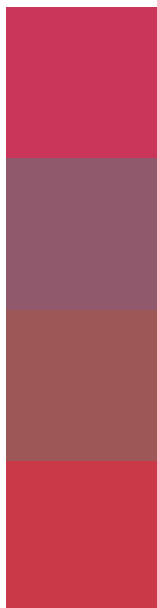
16.0455, 0.3817, 0.3749



Tritanopia

15.8932, 0.5452, 0.3267

Trichromacy



Original Color

15.8409, 0.5032, 0.2901

Protanomaly

14.4148, 0.3722, 0.2974

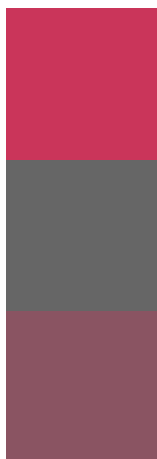
Deuteranomaly

14.6564, 0.4289, 0.3310

Tritanomaly

15.8116, 0.5311, 0.3143

Monochromacy



Original Color

15.8409, 0.5032, 0.2901

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.6258, 0.3808, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8409, 0.5032, 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(202, 53, 90)` looks like.

```
.text, #text, p{  
    color:rgb(202, 53, 90)  
}
```

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(202, 53, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 53, 90) }
```

Border

The CSS property to change the border of an element to Yxy 15.8409, 0.5032, 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(202, 53, 90) }
```

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

```
.border{ border-color:rgb(202, 53, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 53, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 53, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 53, 90);  
box-shadow:4px 4px 4px 4px rgb(202, 53,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8409, 0.5032, 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(202, 53, 90) }
```

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

```
.background{ background-color: rgb(202, 53,  
90) }
```

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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