

Converting Colors

$Y_{xy}(13.3291, 0.5056, 0.2839)$

Have a look what the booklet for
Yxy(13.3291, 0.5056, 0.2839)
contains.

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Color

Yxy(13.3308, 0.5052, 0.2837)

Conversions

Conversions Part 1

Format	Color
Hex	BE2B55
RGB	190, 43, 85
RGB Percent	75%, 17%, 33%
CMY	0.2549, 0.8313, 0.6666
CMYK	0.00, 0.77, 0.55, 0.25
HSL	343°, 63%, 46%
HSV	343°, 77%, 75%
XYZ	23.7389, 13.3308, 9.9194
YIQ	91.7410, 74.1300, 44.2260

Conversions

Conversions Part 2

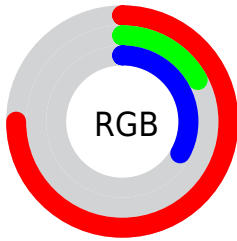
Format	Color
RYB	190, 43, 85
Decimal	12462933
CIELab	43.26, 59.46, 12.18
CIElCh	43, 60.693, 11.573
Yxy	13.3308, 0.5052, 0.2837
Android (android.graphics.Color)	4290653013 (0xFFBE2B55)
YUV	91.7410, -3.3233, 86.1731
Hunter-Lab	36.5114, 52.1618, 9.4501

Details

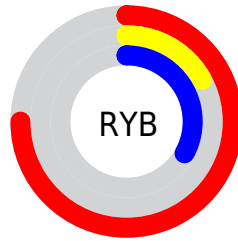
The Yxy color **13.3308, 0.5052, 0.2837** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **39.4776, 0.2512, 0.4005**, and the grayscale version is **10.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7332, 0.4578, 0.2975**, and **4.9059, 0.5634, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **12.0613, 0.5415, 0.2876**, and if you desaturate by 10%, it is **15.2863, 0.4682, 0.2841**.

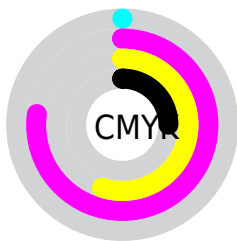
Distribution



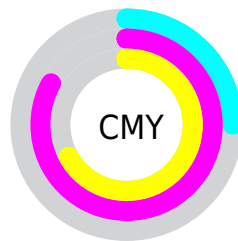
- Red (75%)
- Green (17%)
- Blue (33%)



- Red (75%)
- Yellow (17%)
- Blue (33%)



- Cyan (0%)
- Magenta (77%)
- Yellow (55%)
- Black (25%)




- Cyan (25%)
- Magenta (83%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3308, 0.5052, 0.2837 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 13.3308, 0.5052, 0.2837 by changing the saturation by 10% instead.


 13.3308, 0.5052,
0.2837


 13.3308, 0.5052,
0.2837


213.0270, 0.3896,
0.3144


 7.6567, 0.5420,
0.2719


 31.8968, 0.4576,
0.2975

 3.8761, 0.5944,
0.2534

 45.5575, 0.4415,
0.3018


 1.6045, 0.6739,
0.2225

 62.6493, 0.4286,
0.3052

 0.3606, 0.8591,
0.1409

 83.5564, 0.4179,
0.3078

 0.0000, 1.0000,
0.0000

 108.6634, 0.4091,
0.3099

 0.0000, 0.0000,
0.0000

 138.3545, 0.4016,

0.3117

173.0143, 0.3952,
0.3132

■ 13.3308, 0.5052,
0.2837

■ 13.3308, 0.5052,
0.2837

■ 12.0613, 0.5415,
0.2876

■ 15.2863, 0.4682,
0.2841

■ 11.3599, 0.5738,
0.2956

■ 18.0067, 0.4335,
0.2879

■ 11.2160, 0.5817,
0.2978

■ 21.5626, 0.4027,
0.2939

■ 26.0158, 0.3764,
0.3012

■ 31.4224, 0.3545,
0.3089

■ 37.8335, 0.3365,
0.3165

■ 45.2971, 0.3218,
0.3239

■ 53.8576, 0.3098,
0.3308

■ 63.5571, 0.3000,
0.3371

Harmonies

Analogous

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



13.3308, 0.3824, 0.2186



13.3308, 0.5052, 0.2837



13.3308, 0.5556, 0.3578

Triad

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



13.3308, 0.5052, 0.2837



13.3308, 0.3237, 0.5699



13.3308, 0.1271, 0.1691

Complementary

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



13.3308, 0.5052, 0.2837



39.4776, 0.2512, 0.4005

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.



13.3308, 0.1180, 0.2233



13.3308, 0.5052, 0.2837



13.3308, 0.2181, 0.4938

Square

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



13.3308, 0.5052, 0.2837



13.3308, 0.4320, 0.5262



13.3308, 0.1452, 0.3383



13.3308, 0.1707, 0.1562

Rectangle

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



13.3308, 0.5052, 0.2837



13.3308, 0.5396, 0.4116



13.3308, 0.1452, 0.3383



13.3308, 0.1204, 0.1817

Sweetspot

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



13.3316, 0.5052, 0.2837



61.3553, 0.3469, 0.3120



11.5482, 0.2640, 0.1386



12.5818, 0.3539, 0.3091



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



13.3316, 0.5052, 0.2837



20.8739, 0.5651, 0.2931



15.8091, 0.5471, 0.3601



9.5800, 0.3245, 0.3225



7.4701, 0.5783, 0.2960



0.3043, 0.5078, 0.2571

Inverse Universe

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



13.3316, 0.5052, 0.2837



20.8739, 0.5651, 0.2931



29.5818, 0.2171, 0.2797



9.5800, 0.3245, 0.3225



7.4701, 0.5783, 0.2960



0.3043, 0.5078, 0.2571

Previews

White Background



This preview shows how the Yxy color 13.3308, 0.5052, 0.2837 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 13.3308, 0.5052, 0.2837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

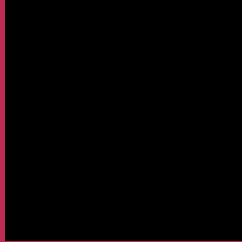
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3308, 0.5052, 0.2837

Background



This preview shows how black text looks on a background with the Yxy color 13.3308, 0.5052, 0.2837.



This preview shows how white text looks on a background with the Yxy color 13.3308, 0.5052, 0.2837.

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

13.3308, 0.5052, 0.2837

Protanopia

13.5653, 0.2959, 0.3013

Deuteranopia

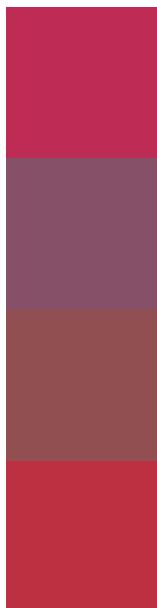
13.5387, 0.3774, 0.3724



Tritanopia

13.3161, 0.5554, 0.3277

Trichromacy



Original Color

13.3308, 0.5052, 0.2837

Protanomaly

11.9527, 0.3652, 0.2858

Deuteranomaly

12.2970, 0.4275, 0.3258

Tritanomaly

13.3144, 0.5390, 0.3120

Monochromacy



Original Color

13.3308, 0.5052, 0.2837

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.2080, 0.3859, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3308, 0.5052, 0.2837 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(190, 43, 85)` looks like.

```
.text, #text, p{  
    color:rgb(190, 43, 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(190, 43, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 43, 85) }
```

Border

The CSS property to change the border of an element to Yxy 13.3308, 0.5052, 0.2837 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(190, 43, 85) }
```

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

```
.border{ border-color:rgb(190, 43, 85) }
```

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

Here you see how a box with a 4 pixel rgb(190, 43, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 43, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 43, 85);  
box-shadow:4px 4px 4px 4px rgb(190, 43,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3308, 0.5052, 0.2837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 43, 85) }
```

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

```
.background{ background-color: rgb(190, 43,  
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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