

Converting Colors

$Y_{xy}(13.1104, 0.5166, 0.2852)$

Have a look what the booklet for
Yxy(13.1104, 0.5166, 0.2852)
contains.

Yxy(13.0567, 0.5169, 0.2852)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.0567, 0.5169, 0.2852)

Conversions

Conversions Part 1

Format	Color
Hex	BF2651
RGB	191, 38, 81
RGB Percent	75%, 15%, 32%
CMY	0.2510, 0.8509, 0.6823
CMYK	0.00, 0.80, 0.58, 0.25
HSL	343°, 67%, 45%
HSV	343°, 80%, 75%
XYZ	23.6641, 13.0567, 9.0600
YIQ	88.6490, 77.3850, 45.8090

Conversions

Conversions Part 2

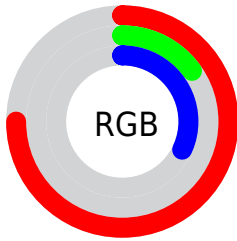
Format	Color
R_{YB}	191, 38, 81
Decimal	12527185
CIE Lab	42.85, 60.89, 14.15
CIE LCh	43, 62.513, 13.081
Yxy	13.0567, 0.5169, 0.2852
Android (android.graphics.Color)	4290717265 (0xFFBF2651)
YUV	88.6490, -3.7710, 89.7618
Hunter-Lab	36.1341, 53.6647, 10.4278

Details

The Yxy color **13.0567, 0.5169, 0.2852** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **39.8108, 0.2503, 0.4022**, and the grayscale version is **9.9062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4180, 0.4666, 0.2992**, and **4.9589, 0.5753, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **11.9475, 0.5526, 0.2904**, and if you desaturate by 10%, it is **14.8352, 0.4795, 0.2844**.

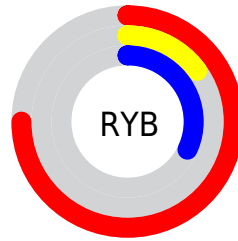
Distribution



Red (75%)

Green (15%)

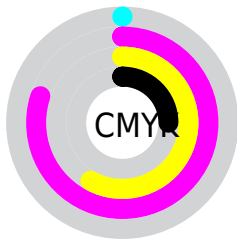
Blue (32%)



Red (75%)

Yellow (15%)

Blue (32%)

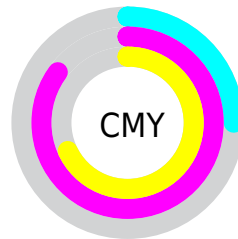


Cyan (0%)

Magenta (80%)

Yellow (58%)

Black (25%)



Cyan (25%)


Magenta (85%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0567, 0.5169, 0.2852 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 13.0567, 0.5169, 0.2852 by changing the saturation by 10% instead.


 13.0567, 0.5169,
0.2852


 13.0567, 0.5169,
0.2852


211.2807, 0.3940,
0.3158


 7.4676, 0.5559,
0.2730


 31.4056, 0.4664,
0.2993


 3.7562, 0.6110,
0.2535

 44.9342, 0.4492,
0.3036

 1.5381, 0.6973,
0.2219

 61.8781, 0.4355,
0.3069

 0.3154, 0.8738,
0.1262

 82.6217, 0.4242,
0.3095

 0.0000, 1.0000,
0.0000

 107.5493, 0.4148,
0.3115

 0.0000, 0.0000,
0.0000

 137.0455, 0.4068,

0.3132

171.4945, 0.4000,
0.3147

■ 13.0567, 0.5169,
0.2852

■ 13.0567, 0.5169,
0.2852

■ 11.9475, 0.5526,
0.2904

■ 14.8352, 0.4795,
0.2844

■ 11.3394, 0.5834,
0.2988

■ 17.3674, 0.4437,
0.2873

■ 20.7274, 0.4114,
0.2927

■ 24.9801, 0.3837,
0.2996

■ 30.1835, 0.3604,
0.3071

■ 36.3909, 0.3412,
0.3147

■ 43.6516, 0.3256,
0.3220

■ 52.0116, 0.3128,
0.3289

■ 61.5143, 0.3024,
0.3353

Harmonies

Analogous

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



13.0567, 0.3917, 0.2184



13.0567, 0.5169, 0.2852



13.0567, 0.5631, 0.3606

Triad

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



13.0567, 0.5169, 0.2852



13.0567, 0.3164, 0.5787



13.0567, 0.1240, 0.1631

Complementary

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



13.0567, 0.5169, 0.2852



39.8108, 0.2503, 0.4022

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.



13.0567, 0.1128, 0.2152



13.0567, 0.5169, 0.2852



13.0567, 0.2094, 0.4936

Square

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



13.0567, 0.5169, 0.2852



13.0567, 0.4280, 0.5349



13.0567, 0.1378, 0.3303



13.0567, 0.1700, 0.1520

Rectangle

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



13.0567, 0.5169, 0.2852



13.0567, 0.5428, 0.4158



13.0567, 0.1378, 0.3303



13.0567, 0.1166, 0.1749

Sweetspot

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



13.0575, 0.5169, 0.2852



60.1902, 0.3490, 0.3115



11.4122, 0.2649, 0.1359



12.3525, 0.3561, 0.3087



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.



13.0575, 0.5169, 0.2852



20.5833, 0.5758, 0.2969



15.7430, 0.5547, 0.3624



9.5793, 0.3245, 0.3226



7.4644, 0.5799, 0.2968



0.3040, 0.5094, 0.2580

Inverse Universe

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



13.0575, 0.5169, 0.2852



20.5833, 0.5758, 0.2969



28.5768, 0.2142, 0.2732



9.5793, 0.3245, 0.3226



7.4644, 0.5799, 0.2968



0.3040, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 13.0567, 0.5169, 0.2852 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 13.0567, 0.5169, 0.2852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

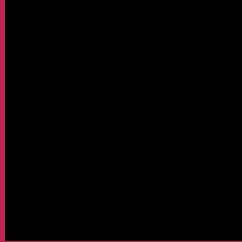
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0567, 0.5169, 0.2852

Background



This preview shows how black text looks on a background with the Yxy color 13.0567, 0.5169, 0.2852.



This preview shows how white text looks on a background with the Yxy color 13.0567, 0.5169, 0.2852.

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

13.0567, 0.5169, 0.2852

Protanopia

13.4171, 0.2996, 0.3095

Deuteranopia

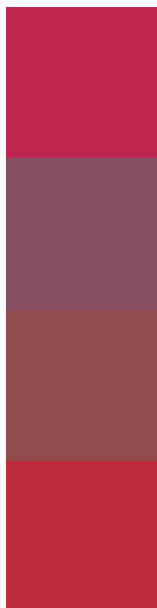
13.2947, 0.3841, 0.3786



Tritanopia

13.1145, 0.5688, 0.3280

Trichromacy



Original Color

13.0567, 0.5169, 0.2852

Protanomaly

11.5804, 0.3731, 0.2894

Deuteranomaly

11.8157, 0.4375, 0.3276

Tritanomaly

13.0011, 0.5523, 0.3133

Monochromacy



Original Color

13.0567, 0.5169, 0.2852

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.4878, 0.3905, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0567, 0.5169, 0.2852 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(191, 38, 81)` looks like.

```
.text, #text, p{  
  color:rgb(191, 38, 81)  
}
```

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(191, 38, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 81) }
```

Border

The CSS property to change the border of an element to Yxy 13.0567, 0.5169, 0.2852 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(191, 38, 81) }
```

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

```
.border{ border-color:rgb(191, 38, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 38, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 38, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 38, 81);  
box-shadow:4px 4px 4px 4px rgb(191, 38,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0567, 0.5169, 0.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 81) }
```

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

```
.background{ background-color: rgb(191, 38,  
81) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor