

Converting Colors

$Y_{xy}(13.6792, 0.5098, 0.2958)$

Have a look what the booklet for
Yxy(13.6792, 0.5098, 0.2958)
contains.

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Color

Yxy(13.6792, 0.5098, 0.2958)

Conversions

Conversions Part 1

Format	Color
Hex	BD3250
RGB	189, 50, 80
RGB Percent	74%, 20%, 31%
CMY	0.2588, 0.8039, 0.6862
CMYK	0.00, 0.74, 0.58, 0.26
HSL	347°, 58%, 47%
HSV	347°, 74%, 74%
XYZ	23.5756, 13.6792, 8.9900
YIQ	94.9810, 73.2140, 38.7980

Conversions

Conversions Part 2

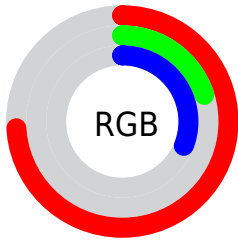
Format	Color
RYB	189, 50, 80
Decimal	12399184
CIELab	43.77, 56.53, 15.96
CIElCh	44, 58.739, 15.768
Yxy	13.6792, 0.5098, 0.2958
Android (android.graphics.Color)	4290589264 (0xFFBD3250)
YUV	94.9810, -7.3856, 82.4547
Hunter-Lab	36.9854, 49.0567, 11.4783

Details

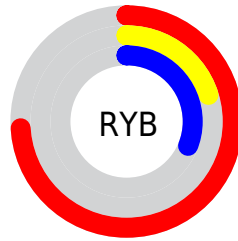
The Yxy color **13.6792, 0.5098, 0.2958** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **39.5769, 0.2468, 0.3790**, and the grayscale version is **11.4447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4244, 0.4609, 0.3072**, and **4.7945, 0.5761, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **12.1883, 0.5496, 0.2985**, and if you desaturate by 10%, it is **15.8867, 0.4697, 0.2965**.

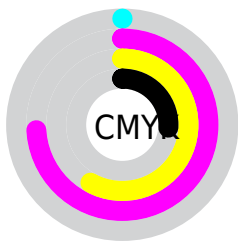
Distribution



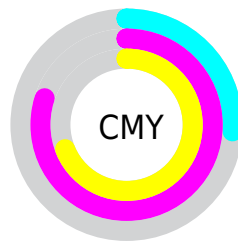
- Red (74%)
- Green (20%)
- Blue (31%)



- Red (74%)
- Yellow (20%)
- Blue (31%)



- Cyan (0%)
- Magenta (74%)
- Yellow (58%)
- Black (26%)



- Cyan (26%)
- Magenta (80%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6792, 0.5098, 0.2958 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 13.6792, 0.5098, 0.2958 by changing the saturation by 10% instead.


 13.6792, 0.5098,
0.2958

 13.6792, 0.5098,
0.2958


215.2259, 0.3917,
0.3203


 7.8979, 0.5471,
0.2853


 32.5187, 0.4613,
0.3074


 4.0297, 0.5997,
0.2683

 46.3457, 0.4449,
0.3109


 1.6902, 0.6825,
0.2402

 63.6234, 0.4316,
0.3135

 0.4173, 0.8384,
0.1616

 84.7362, 0.4207,
0.3155

 0.0000, 1.0000,
0.0000

 110.0684, 0.4117,
0.3171

 0.0000, 0.0000,
0.0000

 140.0045, 0.4040,

0.3184

174.9289, 0.3974,
0.3194

■ 13.6792, 0.5098,
0.2958

■ 13.6792, 0.5098,
0.2958

■ 12.1883, 0.5496,
0.2985

■ 15.8867, 0.4697,
0.2965

■ 11.3205, 0.5846,
0.3049

■ 18.8847, 0.4326,
0.2997

■ 10.9777, 0.6035,
0.3098

■ 22.7402, 0.4002,
0.3046

■ 27.5126, 0.3729,
0.3102

■ 33.2557, 0.3505,
0.3160

■ 40.0196, 0.3321,
0.3218

■ 47.8504, 0.3173,
0.3272

■ 56.7918, 0.3052,
0.3322

■ 66.8849, 0.2954,
0.3368

Harmonies

Analogous

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



13.6792, 0.3983, 0.2302



13.6792, 0.5098, 0.2958



13.6792, 0.5470, 0.3696

Triad

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



13.6792, 0.5098, 0.2958



13.6792, 0.3102, 0.5572



13.6792, 0.1361, 0.1702

Complementary

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



13.6792, 0.5098, 0.2958



39.5769, 0.2468, 0.3790

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.



13.6792, 0.1227, 0.2170



13.6792, 0.5098, 0.2958



13.6792, 0.2098, 0.4670

Square

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



13.6792, 0.5098, 0.2958



13.6792, 0.4163, 0.5306



13.6792, 0.1445, 0.3196



13.6792, 0.1841, 0.1618

Rectangle

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



13.6792, 0.5098, 0.2958



13.6792, 0.5259, 0.4231



13.6792, 0.1445, 0.3196



13.6792, 0.1280, 0.1808

Sweetspot

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



13.6800, 0.5098, 0.2958



60.9051, 0.3481, 0.3167



13.3150, 0.2817, 0.1525



12.4481, 0.3536, 0.3151



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.6800, 0.5098, 0.2958



20.7940, 0.5710, 0.3019



18.2587, 0.5174, 0.3754



9.5692, 0.3255, 0.3241



7.3955, 0.6005, 0.3082



0.2996, 0.5331, 0.2710

Inverse Universe

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



13.6800, 0.5098, 0.2958



20.7940, 0.5710, 0.3019



26.0437, 0.2147, 0.2619



9.5692, 0.3255, 0.3241



7.3955, 0.6005, 0.3082



0.2996, 0.5331, 0.2710

Previews

White Background



This preview shows how the Yxy color 13.6792, 0.5098, 0.2958 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 13.6792, 0.5098, 0.2958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

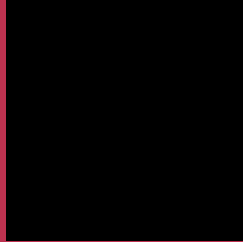
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.6792, 0.5098, 0.2958

Background



This preview shows how black text looks on a background with the Yxy color 13.6792, 0.5098, 0.2958.



This preview shows how white text looks on a background with the Yxy color 13.6792, 0.5098, 0.2958.

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

13.6792, 0.5098, 0.2958

Protanopia

14.0054, 0.3129, 0.3247

Deuteranopia

13.8805, 0.3888, 0.3835



Tritanopia

13.7192, 0.5455, 0.3276

Trichromacy



Original Color

13.6792, 0.5098, 0.2958

Protanomaly

12.4380, 0.3793, 0.3048

Deuteranomaly

12.8523, 0.4370, 0.3397

Tritanomaly

13.6192, 0.5340, 0.3167

Monochromacy



Original Color

13.6792, 0.5098, 0.2958

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9973, 0.3829, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6792, 0.5098, 0.2958 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(189, 50, 80)` looks like.

```
.text, #text, p{  
    color:rgb(189, 50, 80)  
}
```

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(189, 50, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 50, 80) }
```

Border

The CSS property to change the border of an element to Yxy 13.6792, 0.5098, 0.2958 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(189, 50, 80) }
```

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

```
.border{ border-color:rgb(189, 50, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 50, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 50, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 50, 80);  
box-shadow:4px 4px 4px 4px rgb(189, 50,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6792, 0.5098, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 50, 80) }
```

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

```
.background{ background-color: rgb(189, 50,  
80) }
```

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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