

Converting Colors

$Y_{xy}(13.9473, 0.5069, 0.2873)$

Have a look what the booklet for
Yxy(13.9473, 0.5069, 0.2873)
contains.

Yxy(13.9473, 0.5069, 0.2873)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9473, 0.5069, 0.2873)

Conversions

Conversions Part 1

Format	Color
Hex	C12E55
RGB	193, 46, 85
RGB Percent	76%, 18%, 33%
CMY	0.2432, 0.8195, 0.6666
CMYK	0.00, 0.76, 0.56, 0.24
HSL	344°, 61%, 47%
HSV	344°, 76%, 76%
XYZ	24.6080, 13.9473, 9.9908
YIQ	94.3990, 75.0930, 43.2930

Conversions

Conversions Part 2

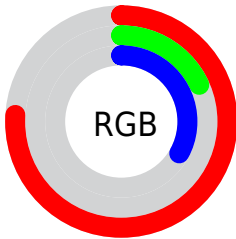
Format	Color
R_{YB}	193, 46, 85
Decimal	12660309
CIE _{Lab}	44.16, 59.38, 13.51
CIE _{LCh}	44, 60.896, 12.820
Yxy	13.9473, 0.5069, 0.2873
Android (android.graphics.Color)	4290850389 (0xFFC12E55)
YUV	94.3990, -4.6337, 86.4731
Hunter-Lab	37.3461, 52.2613, 10.2811

Details

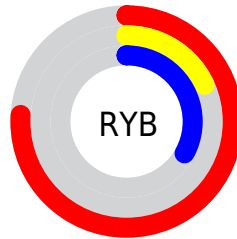
The Yxy color **13.9473, 0.5069, 0.2873** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **41.0516, 0.2498, 0.3939**, and the grayscale version is **11.2931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0844, 0.4601, 0.3009**, and **5.1466, 0.5665, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **12.5604, 0.5443, 0.2908**, and if you desaturate by 10%, it is **16.0584, 0.4689, 0.2878**.

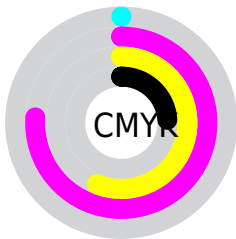
Distribution



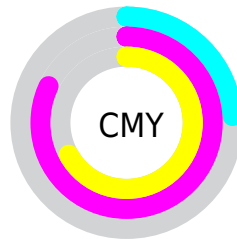
- Red (76%)
- Green (18%)
- Blue (33%)



- Red (76%)
- Yellow (18%)
- Blue (33%)



- Cyan (0%)
- Magenta (76%)
- Yellow (56%)
- Black (24%)




- Cyan (24%)
- Magenta (82%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9473, 0.5069, 0.2873 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 13.9473, 0.5069, 0.2873 by changing the saturation by 10% instead.


 13.9473, 0.5069,
0.2873

 13.9473, 0.5069,
0.2873


216.9027, 0.3909,
0.3161


 8.0840, 0.5434,
0.2761


 32.9955, 0.4594,
0.3004


 4.1488, 0.5949,
0.2584

 46.9492, 0.4433,
0.3044


 1.7571, 0.6721,
0.2287

 64.3685, 0.4302,
0.3075

 0.4602, 0.8379,
0.1621

 85.6378, 0.4195,
0.3100

 0.0000, 1.0000,
0.0000

 111.1415, 0.4106,
0.3119

 0.0000, 0.0000,
0.0000

 141.2639, 0.4030,

0.3136

176.3895, 0.3965,
0.3149

■ 13.9473, 0.5069,
0.2873

■ 13.9473, 0.5069,
0.2873

■ 12.5604, 0.5443,
0.2908

■ 16.0584, 0.4689,
0.2878

■ 11.7896, 0.5774,
0.2986

■ 18.9742, 0.4334,
0.2915

■ 11.5773, 0.5888,
0.3017

■ 22.7673, 0.4021,
0.2972

■ 27.5012, 0.3754,
0.3040

■ 33.2338, 0.3533,
0.3112

■ 40.0179, 0.3352,
0.3183

■ 47.9030, 0.3204,
0.3250

■ 56.9352, 0.3084,
0.3314

■ 67.1580, 0.2986,
0.3372

Harmonies

Analogous

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



13.9473, 0.3873, 0.2220



13.9473, 0.5069, 0.2873



13.9473, 0.5533, 0.3613

Triad

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



13.9473, 0.5069, 0.2873



13.9473, 0.3196, 0.5666



13.9473, 0.1297, 0.1693

Complementary

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



13.9473, 0.5069, 0.2873



41.0516, 0.2498, 0.3939

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.



13.9473, 0.1192, 0.2212



13.9473, 0.5069, 0.2873



13.9473, 0.2155, 0.4858

Square

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



13.9473, 0.5069, 0.2873



13.9473, 0.4273, 0.5278



13.9473, 0.1448, 0.3325



13.9473, 0.1746, 0.1577

Rectangle

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



13.9473, 0.5069, 0.2873



13.9473, 0.5356, 0.4151



13.9473, 0.1448, 0.3325



13.9473, 0.1226, 0.1812

Sweetspot

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



13.9481, 0.5069, 0.2873



62.7287, 0.3479, 0.3132



12.6560, 0.2709, 0.1435



12.5680, 0.3550, 0.3106



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.



13.9481, 0.5069, 0.2873



21.5200, 0.5658, 0.2953



17.3174, 0.5367, 0.3662



10.1208, 0.3248, 0.3229



7.7124, 0.5856, 0.2999



0.3451, 0.5198, 0.2637

Inverse Universe

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



13.9481, 0.5069, 0.2873



21.5200, 0.5658, 0.2953



29.1243, 0.2157, 0.2720



10.1208, 0.3248, 0.3229



7.7124, 0.5856, 0.2999



0.3451, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 13.9473, 0.5069, 0.2873 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 13.9473, 0.5069, 0.2873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

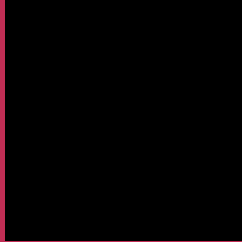
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9473, 0.5069, 0.2873

Background



This preview shows how black text looks on a background with the Yxy color 13.9473, 0.5069, 0.2873.



This preview shows how white text looks on a background with the Yxy color 13.9473, 0.5069, 0.2873.

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

13.9473, 0.5069, 0.2873

Protanopia

14.3213, 0.3013, 0.3101

Deuteranopia

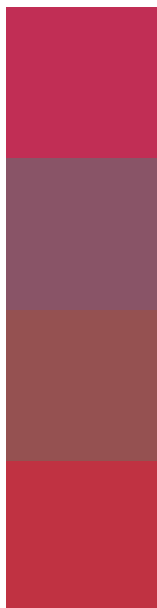
14.1425, 0.3807, 0.3755



Tritanopia

14.0285, 0.5537, 0.3278

Trichromacy



Original Color

13.9473, 0.5069, 0.2873

Protanomaly

12.6383, 0.3705, 0.2939

Deuteranomaly

12.8685, 0.4305, 0.3294

Tritanomaly

13.8810, 0.5384, 0.3132

Monochromacy



Original Color

13.9473, 0.5069, 0.2873

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8089, 0.3839, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9473, 0.5069, 0.2873 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(193, 46, 85)` looks like.

```
.text, #text, p{  
  color:rgb(193, 46, 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(193, 46, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 46, 85) }
```

Border

The CSS property to change the border of an element to Yxy 13.9473, 0.5069, 0.2873 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(193, 46, 85) }
```

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

```
.border{ border-color:rgb(193, 46, 85) }
```

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

Here you see how a box with a 4 pixel rgb(193, 46, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 46, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 46, 85);  
box-shadow:4px 4px 4px 4px rgb(193, 46,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9473, 0.5069, 0.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 46, 85) }
```

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

```
.background{ background-color: rgb(193, 46,  
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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