

Converting Colors

$Yxy(13.5304, 0.4867, 0.3023)$

Have a look what the booklet for
Yxy(13.5304, 0.4867, 0.3023)
contains.

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Color

Yxy(13.5304, 0.4867, 0.3023)

Conversions

Conversions Part 1

Format	Color
Hex	B33D52
RGB	179, 61, 82
RGB Percent	70%, 24%, 32%
CMY	0.2980, 0.7608, 0.6785
CMYK	0.00, 0.66, 0.54, 0.30
HSL	349°, 49%, 47%
HSV	349°, 66%, 70%
XYZ	21.7838, 13.5304, 9.4440
YIQ	98.6760, 63.5870, 31.5470

Conversions

Conversions Part 2

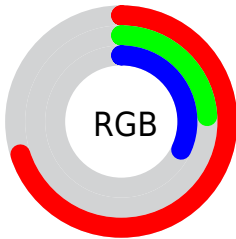
Format	Color
RYB	179, 61, 82
Decimal	11746642
CIELab	43.55, 49.30, 14.14
CIElCh	44, 51.286, 16.009
Yxy	13.5304, 0.4867, 0.3023
Android (android.graphics.Color)	4289936722 (0xFFB33D52)
YUV	98.6760, -8.2213, 70.4441
Hunter-Lab	36.7837, 41.3387, 10.5263

Details

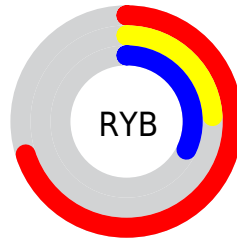
The Yxy color **13.5304, 0.4867, 0.3023** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **35.7059, 0.2474, 0.3647**, and the grayscale version is **12.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2509, 0.4434, 0.3120**, and **4.2049, 0.5621, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **11.7282, 0.5286, 0.3027**, and if you desaturate by 10%, it is **16.0198, 0.4470, 0.3044**.

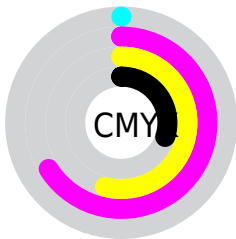
Distribution



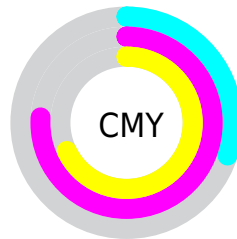
- Red (70%)
- Green (24%)
- Blue (32%)



- Red (70%)
- Yellow (24%)
- Blue (32%)



- Cyan (0%)
- Magenta (66%)
- Yellow (54%)
- Black (30%)




- Cyan (30%)
- Magenta (76%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5304, 0.4867, 0.3023 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 13.5304, 0.4867, 0.3023 by changing the saturation by 10% instead.


 13.5304, 0.4867,
0.3023

 13.5304, 0.4867,
0.3023


214.2895, 0.3819,
0.3221


 7.7948, 0.5205,
0.2937


 32.2534, 0.4434,
0.3118


 3.9639, 0.5691,
0.2794

 46.0097, 0.4288,
0.3145


 1.6534, 0.6460,
0.2547

 63.2082, 0.4170,
0.3166

 0.3932, 0.8217,
0.1783

 84.2334, 0.4074,
0.3182

 0.0000, 1.0000,
0.0000

 109.4698, 0.3994,
0.3195

 0.0000, 0.0000,
0.0000

139.3017, 0.3927,

0.3205

174.1135, 0.3869,
0.3214

■ 13.5304, 0.4867,
0.3023

■ 13.5304, 0.4867,
0.3023

■ 11.7282, 0.5286,
0.3027

■ 16.0198, 0.4470,
0.3044

■ 10.5416, 0.5685,
0.3061

■ 19.2543, 0.4118,
0.3080

■ 9.8823, 0.6014,
0.3125

■ 23.2880, 0.3819,
0.3125

■ 9.6885, 0.6126,
0.3148

■ 28.1698, 0.3572,
0.3172

■ 33.9441, 0.3371,
0.3220

■ 40.6526, 0.3209,
0.3265

■ 48.3341, 0.3077,
0.3307

■ 57.0255, 0.2970,
0.3345

■ 66.7616, 0.2883,
0.3380

Harmonies

Analogous

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



13.5304, 0.3897, 0.2410



13.5304, 0.4867, 0.3023



13.5304, 0.5218, 0.3718

Triad

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



13.5304, 0.4867, 0.3023



13.5304, 0.3140, 0.5263



13.5304, 0.1522, 0.1858

Complementary

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



13.5304, 0.4867, 0.3023



35.7059, 0.2474, 0.3647

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.



13.5304, 0.1398, 0.2303



13.5304, 0.4867, 0.3023



13.5304, 0.2225, 0.4468

Square

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



13.5304, 0.4867, 0.3023



13.5304, 0.4102, 0.5116



13.5304, 0.1614, 0.3221



13.5304, 0.1977, 0.1771

Rectangle

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



13.5304, 0.4867, 0.3023



13.5304, 0.5056, 0.4208



13.5304, 0.1614, 0.3221



13.5304, 0.1445, 0.1961

Sweetspot

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



13.5312, 0.4867, 0.3023



56.0208, 0.3455, 0.3199



13.7981, 0.2913, 0.1690



11.7831, 0.3512, 0.3186



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



13.5312, 0.4867, 0.3023



19.9375, 0.5467, 0.3038



18.7262, 0.4832, 0.3796



8.5291, 0.3260, 0.3250



6.8524, 0.6101, 0.3135



0.2230, 0.5400, 0.2749

Inverse Universe

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



13.5312, 0.4867, 0.3023



19.9375, 0.5467, 0.3038



23.4861, 0.2204, 0.2630



8.5291, 0.3260, 0.3250



6.8524, 0.6101, 0.3135



0.2230, 0.5400, 0.2749

Previews

White Background



This preview shows how the Yxy color 13.5304, 0.4867, 0.3023 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 13.5304, 0.4867, 0.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

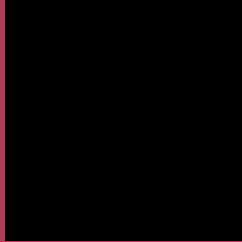
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.5304, 0.4867, 0.3023

Background



This preview shows how black text looks on a background with the Yxy color 13.5304, 0.4867, 0.3023.



This preview shows how white text looks on a background with the Yxy color 13.5304, 0.4867, 0.3023.

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

13.5304, 0.4867, 0.3023

Protanopia

13.7439, 0.3170, 0.3290

Deuteranopia

13.6564, 0.3836, 0.3759



Tritanopia

13.5370, 0.5104, 0.3258

Trichromacy



Original Color

13.5304, 0.4867, 0.3023

Protanomaly

12.7922, 0.3759, 0.3158

Deuteranomaly

12.8867, 0.4232, 0.3419

Tritanomaly

13.4879, 0.5025, 0.3181

Monochromacy



Original Color

13.5304, 0.4867, 0.3023

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8765, 0.3727, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5304, 0.4867, 0.3023 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(179, 61, 82)` looks like.

```
.text, #text, p{  
  color:rgb(179, 61, 82)  
}
```

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(179, 61, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 61, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.5304, 0.4867, 0.3023 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(179, 61, 82) }
```

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

```
.border{ border-color:rgb(179, 61, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 61, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 61, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 61, 82);  
box-shadow:4px 4px 4px 4px rgb(179, 61,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5304, 0.4867, 0.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 61, 82) }
```

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

```
.background{ background-color: rgb(179, 61,  
82) }
```

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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