

Converting Colors

$Y_{xy}(12.9515, 0.5022, 0.3111)$

Have a look what the booklet for
Yxy(12.9515, 0.5022, 0.3111)
contains.

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Color

Yxy(12.9561, 0.5029, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	B13B49
RGB	177, 59, 73
RGB Percent	69%, 23%, 29%
CMY	0.3059, 0.7686, 0.7138
CMYK	0.00, 0.67, 0.59, 0.31
HSL	353°, 50%, 46%
HSV	353°, 67%, 69%
XYZ	20.8968, 12.9561, 7.6997
YIQ	95.8780, 65.8340, 29.3700

Conversions

Conversions Part 2

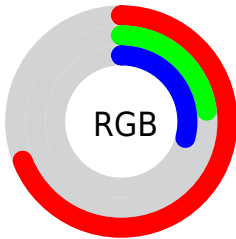
Format	Color
R _Y B	177, 59, 73
Decimal	11615049
CIE Lab	42.70, 48.77, 18.50
CIE LCh	43, 52.161, 20.769
Yxy	12.9561, 0.5029, 0.3118
Android (android.graphics.Color)	4289805129 (0xFFB13B49)
YUV	95.8780, -11.2789, 71.1440
Hunter-Lab	35.9946, 40.6384, 12.5133

Details

The Yxy color **12.9561, 0.5029, 0.3118** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **35.0179, 0.2431, 0.3526**, and the grayscale version is **11.6832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1953, 0.4553, 0.3208**, and **3.9453, 0.5822, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **11.2535, 0.5469, 0.3127**, and if you desaturate by 10%, it is **15.3288, 0.4601, 0.3128**.

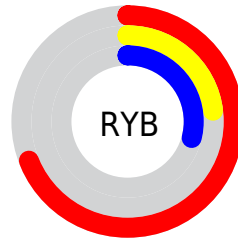
Distribution



Red (69%)

Green (23%)

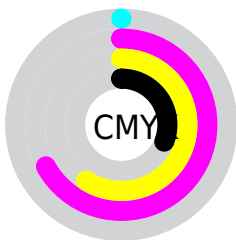
Blue (29%)



Red (69%)

Yellow (23%)

Blue (29%)

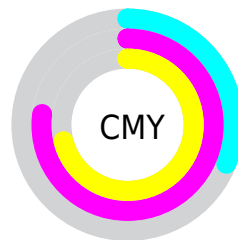


Cyan (0%)

Magenta (67%)

Yellow (59%)

Black (31%)



Cyan (31%)


Magenta (77%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9561, 0.5029, 0.3118 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 12.9561, 0.5029, 0.3118 by changing the saturation by 10% instead.


 12.9561, 0.5029,
0.3118

 12.9561, 0.5029,
0.3118


210.6361, 0.3878,
0.3274

 7.3983, 0.5399,
0.3035


 31.2249, 0.4553,
0.3201


 3.7124, 0.5925,
0.2888

 44.7047, 0.4392,
0.3224


 1.5140, 0.6901,
0.2679

 61.5940, 0.4264,
0.3239

 0.2986, 0.8465,
0.1535

 82.2771, 0.4158,
0.3250

 0.0000, 1.0000,
0.0000

 107.1385, 0.4070,
0.3259

 0.0000, 0.0000,
0.0000

136.5625, 0.3996,

0.3265

170.9336, 0.3933,
0.3270

■ 12.9561, 0.5029,
0.3118

■ 12.9561, 0.5029,
0.3118

■ 11.2535, 0.5469,
0.3127

■ 15.3288, 0.4601,
0.3128

■ 10.1496, 0.5868,
0.3157

■ 18.4292, 0.4218,
0.3150

■ 9.5503, 0.6170,
0.3205

■ 22.3111, 0.3891,
0.3178

■ 9.4005, 0.6250,
0.3217

■ 27.0227, 0.3621,
0.3210

■ 32.6082, 0.3402,
0.3241

■ 39.1089, 0.3225,
0.3271

■ 46.5632, 0.3083,
0.3299

■ 55.0075, 0.2968,
0.3325

■ 64.4760, 0.2874,
0.3348

Harmonies

Analogous

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



12.9561, 0.4102, 0.2476



12.9561, 0.5029, 0.3118



12.9561, 0.5262, 0.3833

Triad

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



12.9561, 0.5029, 0.3118



12.9561, 0.2972, 0.5270



12.9561, 0.1535, 0.1786

Complementary

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



12.9561, 0.5029, 0.3118



35.0179, 0.2431, 0.3526

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.



12.9561, 0.1356, 0.2170



12.9561, 0.5029, 0.3118



12.9561, 0.2070, 0.4309

Square

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



12.9561, 0.5029, 0.3118



12.9561, 0.3966, 0.5240



12.9561, 0.1514, 0.3029



12.9561, 0.2054, 0.1749

Rectangle

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



12.9561, 0.5029, 0.3118



12.9561, 0.5022, 0.4339



12.9561, 0.1514, 0.3029



12.9561, 0.1439, 0.1870

Sweetspot

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



12.9568, 0.5029, 0.3118



54.5310, 0.3478, 0.3230



13.9082, 0.2988, 0.1714



11.2246, 0.3538, 0.3221



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.9568, 0.5029, 0.3118



19.0995, 0.5665, 0.3138



19.2192, 0.4786, 0.3881



8.5211, 0.3269, 0.3263



6.8164, 0.6232, 0.3206



0.2197, 0.5686, 0.2906

Inverse Universe

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



12.9568, 0.5029, 0.3118



19.0995, 0.5665, 0.3138



21.0816, 0.2170, 0.2509



8.5211, 0.3269, 0.3263



6.8164, 0.6232, 0.3206



0.2197, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 12.9561, 0.5029, 0.3118 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 12.9561, 0.5029, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

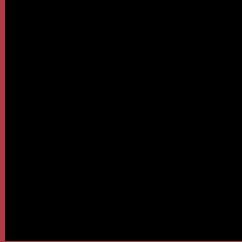
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9561, 0.5029, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 12.9561, 0.5029, 0.3118.



This preview shows how white text looks on a background with the Yxy color 12.9561, 0.5029, 0.3118.

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

12.9561, 0.5029, 0.3118

Protanopia

13.1442, 0.3326, 0.3489

Deuteranopia

13.0922, 0.3969, 0.3903



Tritanopia

13.0548, 0.5174, 0.3259

Trichromacy



Original Color

12.9561, 0.5029, 0.3118

Protanomaly

12.2170, 0.3926, 0.3312

Deuteranomaly

12.3670, 0.4391, 0.3544

Tritanomaly

12.9841, 0.5130, 0.3209

Monochromacy



Original Color

12.9561, 0.5029, 0.3118

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.2511, 0.3775, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9561, 0.5029, 0.3118 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(177, 59, 73)` looks like.

```
.text, #text, p{  
    color:rgb(177, 59, 73)  
}
```

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(177, 59, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 59, 73) }
```

Border

The CSS property to change the border of an element to Yxy 12.9561, 0.5029, 0.3118 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(177, 59, 73) }
```

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

```
.border{ border-color:rgb(177, 59, 73) }
```

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

Here you see how a box with a 4 pixel rgb(177, 59, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 59, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 59, 73);  
box-shadow:4px 4px 4px 4px rgb(177, 59,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9561, 0.5029, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 59, 73) }
```

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

```
.background{ background-color: rgb(177, 59,  
73) }
```

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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