

Converting Colors

$Y_{xy}(12.3537, 0.4786, 0.3009)$

Have a look what the booklet for
Yxy(12.3537, 0.4786, 0.3009)
contains.

Yxy(12.3718, 0.4778, 0.3004)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.3718, 0.4778, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	AA3C51
RGB	170, 60, 81
RGB Percent	67%, 24%, 32%
CMY	0.3333, 0.7647, 0.6824
CMYK	0.00, 0.65, 0.52, 0.33
HSL	349°, 48%, 45%
HSV	349°, 65%, 67%
XYZ	19.6779, 12.3718, 9.1347
YIQ	95.2840, 58.8190, 29.8510

Conversions

Conversions Part 2

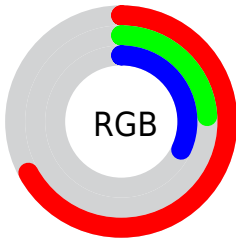
Format	Color
R_{YB}	170, 60, 81
Decimal	11156561
CIE _{Lab}	41.80, 46.65, 12.10
CIE _{LCh}	42, 48.192, 14.545
Yxy	12.3718, 0.4778, 0.3004
Android (android.graphics.Color)	4289346641 (0xFFAA3C51)
YUV	95.2840, -7.0420, 65.5259
Hunter-Lab	35.1736, 38.3084, 9.2237

Details

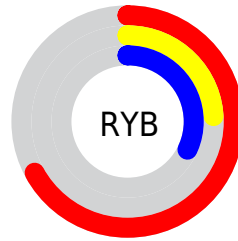
The Yxy color **12.3718, 0.4778, 0.3004** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31.8792, 0.2490, 0.3665**, and the grayscale version is **11.5230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0800, 0.4354, 0.3100**, and **3.5783, 0.5539, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **10.6823, 0.5189, 0.3002**, and if you desaturate by 10%, it is **14.6765, 0.4394, 0.3030**.

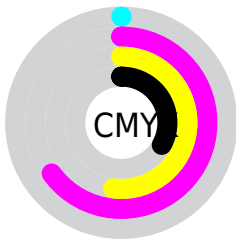
Distribution



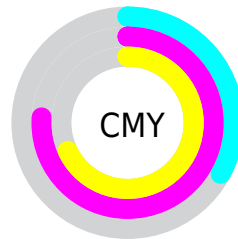
- Red (67%)
- Green (24%)
- Blue (32%)



- Red (67%)
- Yellow (24%)
- Blue (32%)



- Cyan (0%)
- Magenta (65%)
- Yellow (52%)
- Black (33%)





- Cyan (33%)
- Magenta (76%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3718, 0.4778, 0.3004 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 12.3718, 0.4778, 0.3004 by changing the saturation by 10% instead.


 12.3718, 0.4778,
0.3004


 12.3718, 0.4778,
0.3004


206.8514, 0.3771,
0.3209


 6.9974, 0.5112,
0.2916


 30.1705, 0.4356,
0.3101


 3.4605, 0.5602,
0.2770

 43.3636, 0.4216,
0.3130


 1.3766, 0.6424,
0.2521

 59.9317, 0.4104,
0.3152

 0.1994, 0.8775,
0.1225

 80.2592, 0.4013,
0.3168

 0.0000, 1.0000,
0.0000

 104.7305, 0.3937,
0.3182

 0.0000, 0.0000,
0.0000

133.7301, 0.3873,

0.3193

167.6422, 0.3818,
0.3202

■ 12.3718, 0.4778,
0.3004

■ 12.3718, 0.4778,
0.3004

■ 10.6823, 0.5189,
0.3002

■ 14.6765, 0.4394,
0.3030

■ 9.5464, 0.5589,
0.3032

■ 17.6464, 0.4057,
0.3071

■ 8.8926, 0.5932,
0.3093

■ 21.3283, 0.3772,
0.3119

■ 8.6523, 0.6086,
0.3126

■ 25.7645, 0.3537,
0.3170

■ 30.9939, 0.3345,
0.3221

■ 37.0527, 0.3190,
0.3269

■ 43.9748, 0.3064,
0.3313

■ 51.7924, 0.2961,
0.3354

■ 60.5359, 0.2878,
0.3391

Harmonies

Analogous

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



12.3718, 0.3822, 0.2407



12.3718, 0.4778, 0.3004



12.3718, 0.5159, 0.3684

Triad

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



12.3718, 0.4778, 0.3004



12.3718, 0.3196, 0.5208



12.3718, 0.1547, 0.1908

Complementary

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



12.3718, 0.4778, 0.3004



31.8792, 0.2490, 0.3665

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.



12.3718, 0.1442, 0.2367



12.3718, 0.4778, 0.3004



12.3718, 0.2293, 0.4481

Square

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



12.3718, 0.4778, 0.3004



12.3718, 0.4129, 0.5044



12.3718, 0.1675, 0.3283



12.3718, 0.1978, 0.1805

Rectangle

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



12.3718, 0.4778, 0.3004



12.3718, 0.5027, 0.4162



12.3718, 0.1675, 0.3283



12.3718, 0.1477, 0.2016

Sweetspot

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



12.3725, 0.4778, 0.3004



51.6465, 0.3429, 0.3198



12.4308, 0.2895, 0.1707



10.9374, 0.3484, 0.3184



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.3725, 0.4778, 0.3004



18.2930, 0.5382, 0.3012



16.7018, 0.4800, 0.3763



7.5648, 0.3257, 0.3247



6.3715, 0.6062, 0.3113



0.1615, 0.5251, 0.2666

Inverse Universe

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



12.3725, 0.4778, 0.3004



18.2930, 0.5382, 0.3012



21.7546, 0.2228, 0.2683



7.5648, 0.3257, 0.3247



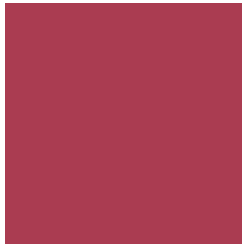
6.3715, 0.6062, 0.3113



0.1615, 0.5251, 0.2666

Previews

White Background



This preview shows how the Yxy color 12.3718, 0.4778, 0.3004 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 12.3718, 0.4778, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

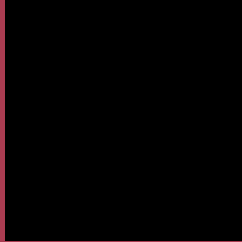
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3718, 0.4778, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 12.3718, 0.4778, 0.3004.



This preview shows how white text looks on a background with the Yxy color 12.3718, 0.4778, 0.3004.

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

12.3718, 0.4778, 0.3004

Protanopia

12.6300, 0.3129, 0.3245

Deuteranopia

12.4881, 0.3767, 0.3695



Tritanopia

12.3953, 0.5008, 0.3241

Trichromacy



Original Color

12.3718, 0.4778, 0.3004

Protanomaly

11.7408, 0.3676, 0.3111

Deuteranomaly

11.8189, 0.4146, 0.3368

Tritanomaly

12.3481, 0.4924, 0.3158

Monochromacy



Original Color

12.3718, 0.4778, 0.3004

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.9103, 0.3693, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3718, 0.4778, 0.3004 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(170, 60, 81)` looks like.

```
.text, #text, p{  
  color:rgb(170, 60, 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(170, 60, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 60, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.3718, 0.4778, 0.3004 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(170, 60, 81) }
```

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

```
.border{ border-color:rgb(170, 60, 81) }
```

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

Here you see how a box with a 4 pixel rgb(170, 60, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 60, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 60, 81);  
box-shadow:4px 4px 4px 4px rgb(170, 60,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3718, 0.4778, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 60, 81) }
```

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

```
.background{ background-color: rgb(170, 60,  
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](#).

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