

Converting Colors

$Y_{xy}(12.1872, 0.4752, 0.3073)$

Have a look what the booklet for
Yxy(12.1872, 0.4752, 0.3073)
contains.

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Color

Yxy(12.2121, 0.4760, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	A63F4E
RGB	166, 63, 78
RGB Percent	65%, 25%, 31%
CMY	0.3490, 0.7529, 0.6941
CMYK	0.00, 0.62, 0.53, 0.35
HSL	351°, 45%, 45%
HSV	351°, 62%, 65%
XYZ	18.8794, 12.2121, 8.5711
YIQ	95.5070, 56.5730, 26.5010

Conversions

Conversions Part 2

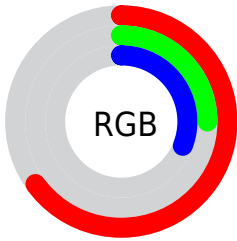
Format	Color
R _Y B	166, 63, 78
Decimal	10895182
CIE Lab	41.55, 43.67, 13.51
CIE LCh	42, 45.710, 17.193
Yxy	12.2121, 0.4760, 0.3079
Android (android.graphics.Color)	4289085262 (0xFFA63F4E)
YUV	95.5070, -8.6310, 61.8224
Hunter-Lab	34.9458, 35.2789, 9.9202

Details

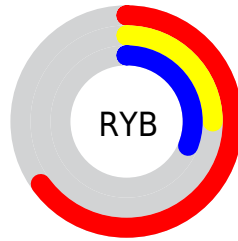
The Yxy color **12.2121, 0.4760, 0.3079** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **30.5649, 0.2477, 0.3558**, and the grayscale version is **11.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8013, 0.4341, 0.3154**, and **3.3884, 0.5592, 0.2868** is the 20% darker color. If you saturate the color by 10%, you get **10.4611, 0.5186, 0.3075**, and if you desaturate by 10%, it is **14.5626, 0.4366, 0.3101**.

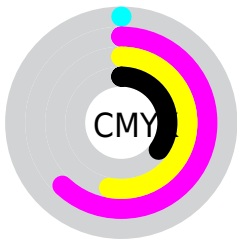
Distribution



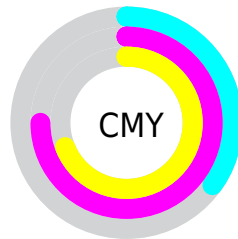
- Red (65%)
- Green (25%)
- Blue (31%)



- Red (65%)
- Yellow (25%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (53%)
- Black (35%)





- Cyan (35%)
- Magenta (75%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2121, 0.4760, 0.3079 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 12.2121, 0.4760, 0.3079 by changing the saturation by 10% instead.


 12.2121, 0.4760,
0.3079


 12.2121, 0.4760,
0.3079


205.8044, 0.3761,
0.3242


 6.8883, 0.5093,
0.3002


 29.8808, 0.4341,
0.3160


 3.3923, 0.5583,
0.2869

 42.9945, 0.4201,
0.3183


 1.3398, 0.6457,
0.2655

 59.4736, 0.4090,
0.3200

 0.1717, 0.8827,
0.1173

 79.7026, 0.4000,
0.3212

 0.0000, 1.0000,
0.0000

 104.0657, 0.3925,
0.3222

 0.0000, 0.0000,
0.0000

132.9475, 0.3862,

0.3230

166.7323, 0.3808,
0.3237

■ 12.2121, 0.4760,
0.3079

■ 12.2121, 0.4760,
0.3079

■ 10.4611, 0.5186,
0.3075

■ 14.5626, 0.4366,
0.3101

■ 9.2531, 0.5606,
0.3096

■ 17.5585, 0.4023,
0.3133

■ 8.5245, 0.5966,
0.3142

■ 21.2433, 0.3736,
0.3170

■ 8.1741, 0.6189,
0.3183

■ 25.6562, 0.3501,
0.3209

■ 30.8336, 0.3309,
0.3247

■ 36.8093, 0.3155,
0.3283

■ 43.6152, 0.3030,
0.3316

■ 51.2813, 0.2928,
0.3346

■ 59.8362, 0.2846,
0.3374

Harmonies

Analogous

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



12.2121, 0.3884, 0.2489



12.2121, 0.4760, 0.3079



12.2121, 0.5071, 0.3745

Triad

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



12.2121, 0.4760, 0.3079



12.2121, 0.3124, 0.5082



12.2121, 0.1628, 0.1941

Complementary

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



12.2121, 0.4760, 0.3079



30.5649, 0.2477, 0.3558

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.



12.2121, 0.1499, 0.2356



12.2121, 0.4760, 0.3079



12.2121, 0.2268, 0.4324

Square

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



12.2121, 0.4760, 0.3079



12.2121, 0.4028, 0.5014



12.2121, 0.1699, 0.3196



12.2121, 0.2077, 0.1864

Rectangle

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



12.2121, 0.4760, 0.3079



12.2121, 0.4919, 0.4208



12.2121, 0.1699, 0.3196



12.2121, 0.1550, 0.2037

Sweetspot

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



12.2128, 0.4760, 0.3079



48.9543, 0.3445, 0.3220



12.8452, 0.2980, 0.1794



10.4066, 0.3502, 0.3209



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



12.2128, 0.4760, 0.3079



18.1514, 0.5329, 0.3079



17.3999, 0.4641, 0.3829



7.5595, 0.3264, 0.3257



6.3428, 0.6171, 0.3173



0.1595, 0.5471, 0.2788

Inverse Universe

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



12.2128, 0.4760, 0.3079



18.1514, 0.5329, 0.3079



19.7629, 0.2235, 0.2612



7.5595, 0.3264, 0.3257



6.3428, 0.6171, 0.3173



0.1595, 0.5471, 0.2788

Previews

White Background



This preview shows how the Yxy color 12.2121, 0.4760, 0.3079 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 12.2121, 0.4760, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

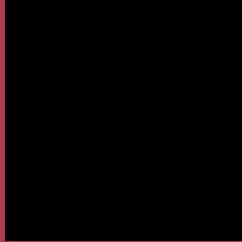
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2121, 0.4760, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 12.2121, 0.4760, 0.3079.



This preview shows how white text looks on a background with the Yxy color 12.2121, 0.4760, 0.3079.

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

12.2121, 0.4760, 0.3079

Protanopia

12.3283, 0.3214, 0.3358

Deuteranopia

12.4474, 0.3814, 0.3758



Tritanopia

12.2096, 0.4902, 0.3238

Trichromacy



Original Color

12.2121, 0.4760, 0.3079

Protanomaly

11.5782, 0.3746, 0.3211

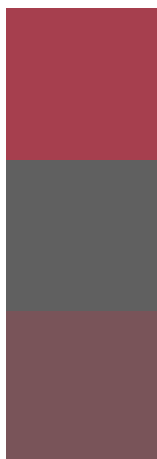
Deuteranomaly

11.8454, 0.4175, 0.3445

Tritanomaly

12.1340, 0.4854, 0.3181

Monochromacy



Original Color

12.2121, 0.4760, 0.3079

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.1269, 0.3684, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2121, 0.4760, 0.3079 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(166, 63, 78)` looks like.

```
.text, #text, p{  
    color:rgb(166, 63, 78)  
}
```

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(166, 63, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 63, 78) }
```

Border

The CSS property to change the border of an element to Yxy 12.2121, 0.4760, 0.3079 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(166, 63, 78) }
```

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

```
.border{ border-color:rgb(166, 63, 78) }
```

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

Here you see how a box with a 4 pixel rgb(166, 63, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 63, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 63, 78);  
box-shadow:4px 4px 4px 4px rgb(166, 63,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2121, 0.4760, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 63, 78) }
```

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

```
.background{ background-color: rgb(166, 63,  
78) }
```

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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