

Converting Colors

XYZ(16.3841, 12.3870, 6.2300)

Have a look what the booklet for
XYZ(16.3841, 12.3870, 6.2300)
contains.

XYZ(16.3841, 12.3870, 6.2300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.3841, 12.3870,
6.2300)**

Conversions

Conversions Part 1

Format	Color
Hex	974E3F
RGB	151, 78, 63
RGB Percent	59%, 31%, 25%
CMY	0.4078, 0.6941, 0.7529
CMYK	0.00, 0.48, 0.58, 0.41
HSL	10°, 41%, 42%
HSV	10°, 58%, 59%
XYZ	16.3841, 12.3870, 6.2300
YIQ	98.1170, 48.3230, 10.8110

Conversions

Conversions Part 2

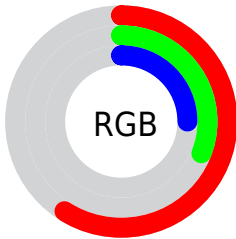
Format	Color
R_{YB}	151, 81, 63
Decimal	9915967
CIE Lab	41.82, 29.02, 22.63
CIE LCh	42, 36.804, 37.943
Yxy	12.3870, 0.4681, 0.3539
Android (android.graphics.Color)	4288106047 (0xFF974E3F)
YUV	98.1170, -17.3127, 46.3784
Hunter-Lab	35.1952, 21.5040, 14.1415

Details

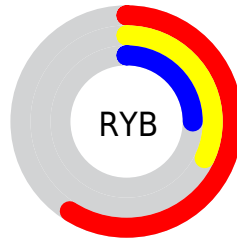
The XYZ color **16.3841, 12.3870, 6.2300** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.4393, 20.8981, 32.4453**, and the grayscale version is **11.6723, 12.2802, 13.3731**.

A 20% lighter version of the original color is **36.8829, 30.1413, 18.9128**, and **5.4144, 3.4658, 1.0454** is the 20% darker color. If you saturate the color by 10%, you get **15.2118, 10.6278, 4.0352**, and if you desaturate by 10%, it is **17.8422, 14.5329, 9.0914**.

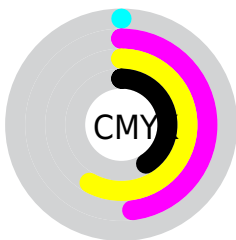
Distribution



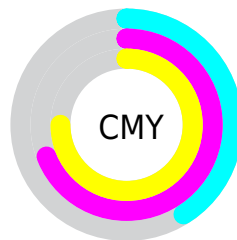
- Red (59%)
- Green (31%)
- Blue (25%)



- Red (59%)
- Yellow (32%)
- Blue (25%)



- Cyan (0%)
- Magenta (48%)
- Yellow (58%)
- Black (41%)





- Cyan (41%)
- Magenta (69%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.3841, 12.3870, 6.2300 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 XYZ color 16.3841, 12.3870, 6.2300 by changing the saturation by 10% instead.


 16.3841, 12.3870,
6.2300


 16.3841, 12.3870,
6.2300


224.8238,
206.9508, 170.4834


 9.8889, 7.0078,
2.9144


 36.8158, 30.1980,
18.8923


 5.3871, 3.4670,
1.0511

 51.4831, 43.3986,
29.0761


 2.5132, 1.3801,
0.0000

 69.6051, 59.9752,
42.3863

 0.9019, 0.2020,
0.0000

 91.5472, 80.3121,
59.2415

 0.0000, 0.0000,
0.0000

 117.6748,
104.7937, 80.0603

 148.3532,

133.8044, 105.2612

183.9477,
167.7286, 135.2627

■ 16.3841, 12.3870,
6.2300

■ 16.3841, 12.3870,
6.2300

■ 15.2118, 10.6278,
4.0352

■ 17.8422, 14.5329,
9.0914

■ 14.3052, 9.2300,
2.4519

■ 19.6029, 17.0847,
12.6671

■ 13.6425, 8.1686,
1.4172

■ 21.6824, 20.0628,
17.0011

■ 13.1897, 7.4109,
0.8100

■ 24.0958, 23.4855,
22.1338

■ 13.1262, 7.3069,
0.7185

■ 26.8569, 27.3701,
28.1026

■ 29.9789, 31.7330,
34.9427

■ 33.4743, 36.5897,
42.6871

■ 37.3550, 41.9551,
51.3671

■ 41.6323, 47.8434,
61.0126

Harmonies

Analogous

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



17.7312, 12.3870, 11.5268



16.3841, 12.3870, 6.2300



13.8427, 12.3870, 3.8400

Triad

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



16.3841, 12.3870, 6.2300



7.5710, 12.3870, 8.6198



12.5090, 12.3870, 34.3488

Complementary

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



16.3841, 12.3870, 6.2300



16.4393, 20.8981, 32.4453

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.



9.9215, 12.3870, 32.6076



16.3841, 12.3870, 6.2300



7.3266, 12.3870, 15.6585

Square

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



16.3841, 12.3870, 6.2300



8.8489, 12.3870, 4.8043



8.1208, 12.3870, 24.9141



15.2804, 12.3870, 29.0290

Rectangle

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



16.3841, 12.3870, 6.2300



11.9617, 12.3870, 3.3899



8.1208, 12.3870, 24.9141



11.5873, 12.3870, 34.5987

Sweetspot

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



16.3844, 12.3876, 6.2302



43.5895, 42.6763, 40.5764



19.0076, 11.9214, 24.7161



9.7162, 9.4298, 8.8125



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.3844, 12.3876, 6.2302



26.6861, 18.1836, 6.2280



20.5783, 20.7755, 7.6282



6.2897, 6.3845, 6.5067



11.1822, 6.2469, 0.6164



0.1859, 0.1309, 0.0155

Inverse Universe

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



16.4393, 20.8981, 32.4453



26.7290, 34.7829, 57.7387



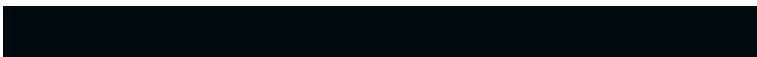
11.4919, 11.0034, 30.7962



6.2949, 6.8472, 7.9188



11.0363, 14.4694, 27.1189



0.1859, 0.2581, 0.4124

Previews

White Background



This preview shows how the XYZ color 16.3841, 12.3870, 6.2300 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 XYZ color 16.3841, 12.3870, 6.2300 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](#).

XYZ 16.3841, 12.3870, 6.2300

Background



This preview shows how black text looks on a background with the XYZ color 16.3841, 12.3870, 6.2300.



This preview shows how white text looks on a background with the XYZ color 16.3841, 12.3870,

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

16.3841, 12.3870, 6.2300

Protanopia

11.6949, 12.5174, 7.9306

Deuteranopia

12.6535, 12.5037, 6.0215



Tritanopia

17.0185, 12.4384, 9.2884

Trichromacy



Original Color

16.3841, 12.3870, 6.2300

Protanomaly

12.9836, 12.1228, 7.2858

Deuteranomaly

13.7748, 12.3070, 6.0644

Tritanomaly

16.8388, 12.4776, 7.9995

Monochromacy



Original Color

16.3841, 12.3870, 6.2300

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7169, 11.9200, 10.2249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3841, 12.3870, 6.2300 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(151, 78, 63)` looks like.

```
.text, #text, p{  
    color:rgb(151, 78, 63)  
}
```

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(151, 78, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 78, 63) }
```

Border

The CSS property to change the border of an element to XYZ 16.3841, 12.3870, 6.2300 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(151, 78, 63) }
```


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

```
.border{ border-color:rgb(151, 78, 63) }
```

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

Here you see how a box with a 4 pixel rgb(151, 78, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 78, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 78, 63);  
box-shadow:4px 4px 4px 4px rgb(151, 78,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3841, 12.3870, 6.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 78, 63) }
```

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

```
.background{ background-color: rgb(151, 78,  
63) }
```

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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