

Converting Colors

XYZ(16.4290, 12.2685, 5.8958)

Have a look what the booklet for
XYZ(16.4290, 12.2685, 5.8958)
contains.

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Color

**XYZ(16.4451, 12.3201,
5.9261)**

Conversions

Conversions Part 1

Format	Color
Hex	984D3D
RGB	152, 77, 61
RGB Percent	60%, 30%, 24%
CMY	0.4039, 0.6980, 0.7608
CMYK	0.00, 0.49, 0.60, 0.40
HSL	11°, 43%, 42%
HSV	11°, 60%, 60%
XYZ	16.4451, 12.3201, 5.9261
YIQ	97.6010, 49.8360, 10.9240

Conversions

Conversions Part 2

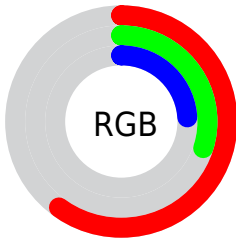
Format	Color
R_{YB}	152, 80, 61
Decimal	9981245
CIE Lab	41.72, 29.82, 23.72
CIE LCh	42, 38.105, 38.506
Yxy	12.3201, 0.4740, 0.3551
Android (android.graphics.Color)	4288171325 (0xFF984D3D)
YUV	97.6010, -18.0443, 47.7079
Hunter-Lab	35.1000, 22.2061, 14.5598

Details

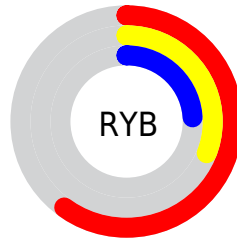
The XYZ color **16.4451, 12.3201, 5.9261** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.3955, 20.8661, 32.8691**, and the grayscale version is **11.5454, 12.1467, 13.2278**.

A 20% lighter version of the original color is **36.9280, 29.9845, 18.3093**, and **5.3724, 3.4092, 0.9471** is the 20% darker color. If you saturate the color by 10%, you get **15.2986, 10.5920, 3.8023**, and if you desaturate by 10%, it is **17.8771, 14.4335, 8.7178**.

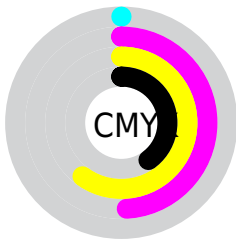
Distribution



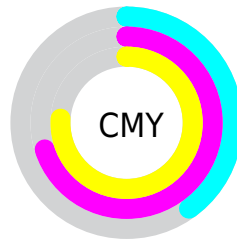
- Red (60%)
- Green (30%)
- Blue (24%)



- Red (60%)
- Yellow (31%)
- Blue (24%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (40%)



- Cyan (40%)
- Magenta (70%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4451, 12.3201, 5.9261 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 16.4451, 12.3201, 5.9261 by changing the saturation by 10% instead.

■ 16.4451, 12.3201,
5.9261

■ 16.4451, 12.3201,
5.9261

225.1732,
206.5131, 167.6929

■ 9.9325, 6.9621,
2.7321

■ 36.9205, 30.0768,
18.2523

■ 5.4162, 3.4384,
0.9595

■ 51.6139, 43.2442,
28.2217

■ 2.5307, 1.3647,
0.0000

■ 69.7650, 59.7836,
41.2865

■ 0.9108, 0.1905,
0.0000

■ 91.7392, 80.0793,
57.8655

■ 0.0000, 0.0000,
0.0000

■ 117.9017,
104.5156, 78.3771

■ 148.6180,

133.4772, 103.2398

184.2534,
167.3482, 132.8723

■ 16.4451, 12.3201,
5.9261

■ 16.4451, 12.3201,
5.9261

■ 15.2986, 10.5920,
3.8023

■ 17.8771, 14.4335,
8.7178

■ 14.4168, 9.2239,
2.2894

■ 19.6116, 16.9518,
12.2267

■ 13.7775, 8.1901,
1.3217

■ 21.6652, 19.8956,
16.4983

■ 13.3396, 7.4550,
0.7416

■ 24.0532, 23.2832,
21.5739

■ 13.3347, 7.4471,
0.7346

■ 26.7896, 27.1322,
27.4921

■ 29.8878, 31.4590,
34.2888

■ 33.3606, 36.2794,
41.9979

■ 37.2199, 41.6083,
50.6515

■ 41.4772, 47.4600,
60.2800

Harmonies

Analogous

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



17.8779, 12.3201, 11.2619



16.4451, 12.3201, 5.9261



13.7940, 12.3201, 3.5784

Triad

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



16.4451, 12.3201, 5.9261



7.3832, 12.3201, 8.5236



12.5239, 12.3201, 35.1537

Complementary

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



16.4451, 12.3201, 5.9261



16.3955, 20.8661, 32.8691

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.



9.8470, 12.3201, 33.4667



16.4451, 12.3201, 5.9261



7.1540, 12.3201, 15.8253

Square

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



16.4451, 12.3201, 5.9261



8.6693, 12.3201, 4.6084



7.9839, 12.3201, 25.4770



15.3893, 12.3201, 29.4468

Rectangle

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



16.4451, 12.3201, 5.9261



11.8507, 12.3201, 3.1544



7.9839, 12.3201, 25.4770



11.5702, 12.3201, 35.4669

Sweetspot

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



16.4454, 12.3208, 5.9263



43.1493, 42.0754, 39.5686



19.1210, 11.8143, 24.8768



9.5284, 9.1693, 8.3950



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.



16.4454, 12.3208, 5.9263



26.4023, 17.7725, 5.6506



20.7099, 20.8497, 7.3478



6.2923, 6.3897, 6.5075



11.1979, 6.2783, 0.6216



0.1867, 0.1324, 0.0157

Inverse Universe

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



16.3955, 20.8661, 32.8691



26.2330, 34.1230, 57.6374



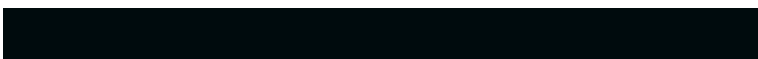
11.3616, 10.7984, 31.1912



6.2922, 6.8417, 7.9179



10.9496, 14.2958, 27.0900



0.1851, 0.2566, 0.4121

Previews

White Background



This preview shows how the XYZ color 16.4451, 12.3201, 5.9261 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 16.4451, 12.3201, 5.9261 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 16.4451, 12.3201, 5.9261

Background



This preview shows how black text looks on a background with the XYZ color 16.4451, 12.3201, 5.9261.



This preview shows how white text looks on a background with the XYZ color 16.4451, 12.3201,

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

16.4451, 12.3201, 5.9261

Protanopia

11.6307, 12.4917, 7.5925

Deuteranopia

12.5122, 12.3040, 5.7184



Tritanopia

17.0336, 12.2491, 9.0559

Trichromacy



Original Color

16.4451, 12.3201, 5.9261

Protanomaly

12.9226, 12.0984, 6.9643

Deuteranomaly

13.7949, 12.2007, 5.7656

Tritanomaly

16.8555, 12.2855, 7.7863

Monochromacy



Original Color

16.4451, 12.3201, 5.9261

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7671, 11.8198, 10.2029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4451, 12.3201, 5.9261 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(152, 77, 61)` looks like.

```
.text, #text, p{  
    color:rgb(152, 77, 61)  
}
```

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(152, 77, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 77, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.4451, 12.3201, 5.9261 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(152, 77, 61) }
```


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

```
.border{ border-color:rgb(152, 77, 61) }
```

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

Here you see how a box with a 4 pixel rgb(152, 77, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 77, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 77, 61);  
box-shadow:4px 4px 4px 4px rgb(152, 77,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4451, 12.3201, 5.9261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 77, 61) }
```

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

```
.background{ background-color: rgb(152, 77,  
61) }
```

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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