

Converting Colors

XYZ(16.5836, 12.3098, 5.9454)

Have a look what the booklet for
XYZ(16.5836, 12.3098, 5.9454)
contains.

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Color

**XYZ(16.5636, 12.2781,
5.9118)**

Conversions

Conversions Part 1

Format	Color
Hex	994C3D
RGB	153, 76, 61
RGB Percent	60%, 30%, 24%
CMY	0.4000, 0.7019, 0.7608
CMYK	0.00, 0.50, 0.60, 0.40
HSL	10°, 43%, 42%
HSV	10°, 60%, 60%
XYZ	16.5636, 12.2781, 5.9118
YIQ	97.3130, 50.7070, 11.6590

Conversions

Conversions Part 2

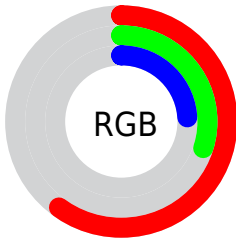
Format	Color
R_{YB}	153, 79, 61
Decimal	10046525
CIE Lab	41.65, 30.77, 23.67
CIE LCh	42, 38.822, 37.572
Yxy	12.2781, 0.4766, 0.3533
Android (android.graphics.Color)	4288236605 (0xFF994C3D)
YUV	97.3130, -17.9023, 48.8375
Hunter-Lab	35.0401, 23.0574, 14.5250

Details

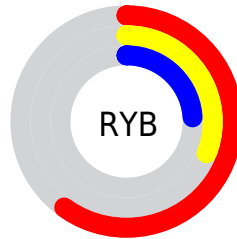
The XYZ color **16.5636, 12.2781, 5.9118** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **16.7621, 21.4677, 33.3970**, and the grayscale version is **11.4737, 12.0712, 13.1455**.

A 20% lighter version of the original color is **37.2137, 30.1318, 18.3226**, and **5.4542, 3.4156, 0.9441** is the 20% darker color. If you saturate the color by 10%, you get **15.4127, 10.5444, 3.7769**, and if you desaturate by 10%, it is **18.0083, 14.4114, 8.7250**.

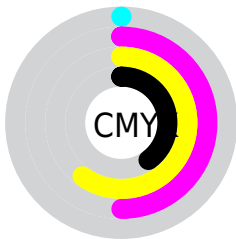
Distribution



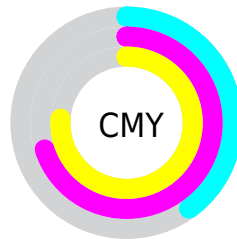
- Red (60%)
- Green (30%)
- Blue (24%)



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



- Cyan (0%)
- Magenta (50%)
- Yellow (60%)
- Black (40%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5636, 12.2781, 5.9118 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 16.5636, 12.2781, 5.9118 by changing the saturation by 10% instead.


 16.5636, 12.2781,
5.9118

 16.5636, 12.2781,
5.9118


225.8504,
206.2378, 167.5601


 10.0172, 6.9334,
2.7236


 37.1235, 30.0006,
18.2220


 5.4727, 3.4205,
0.9553

 51.8677, 43.1472,
28.1812


 2.5648, 1.3550,
0.0000

 70.0753, 59.6631,
41.2344

 0.9280, 0.1832,
0.0000

 92.1115, 79.9329,
57.8001

 0.0000, 0.0000,
0.0000

 118.3418,
104.3408, 78.2971

 149.1315,

133.2714, 103.1437

184.8459,
167.1089, 132.7585

■ 16.5636, 12.2781,
5.9118

■ 16.5636, 12.2781,
5.9118

■ 15.4127, 10.5444,
3.7769

■ 18.0083, 14.4114,
8.7250

■ 14.5339, 9.1832,
2.2618

■ 19.7647, 16.9651,
12.2668

■ 13.9038, 8.1672,
1.2993

■ 21.8501, 19.9611,
16.5838

■ 13.4834, 7.4655,
0.7303

■ 24.2804, 23.4190,
21.7182

■ 27.0704, 27.3573,
27.7093

■ 30.2340, 31.7934,
34.5939

■ 33.7845, 36.7441,
42.4066

■ 37.7344, 42.2250,
51.1800

■ 42.0956, 48.2514,
60.9454

Harmonies

Analogous

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



17.9743, 12.2781, 11.4091



16.5636, 12.2781, 5.9118



13.8834, 12.2781, 3.4881

Triad

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



16.5636, 12.2781, 5.9118



7.3094, 12.2781, 8.2391



12.4056, 12.2781, 35.6821

Complementary

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



16.5636, 12.2781, 5.9118



16.7621, 21.4677, 33.3970

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.



9.7053, 12.2781, 33.7030



16.5636, 12.2781, 5.9118



7.0447, 12.2781, 15.5409

Square

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



16.5636, 12.2781, 5.9118



8.6427, 12.2781, 4.4006



7.8498, 12.2781, 25.3746



15.3326, 12.2781, 30.0225

Rectangle

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



16.5636, 12.2781, 5.9118



11.9032, 12.2781, 3.0316



7.8498, 12.2781, 25.3746



11.4398, 12.2781, 35.9184

Sweetspot

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



16.5639, 12.2788, 5.9120



44.3225, 43.1288, 40.6850



19.4804, 11.9798, 25.7883



9.5075, 9.1276, 8.3880



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.



16.5639, 12.2788, 5.9120



27.0324, 18.0098, 5.7535



20.7922, 20.7354, 7.3215



6.2862, 6.3774, 6.5055



11.1613, 6.2050, 0.6094



0.1849, 0.1288, 0.0151

Inverse Universe

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



16.7621, 21.4677, 33.3970



27.3470, 35.8230, 59.4452



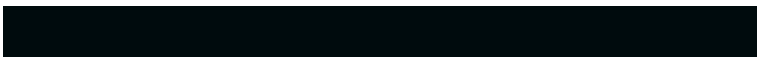
11.6062, 11.1559, 31.6784



6.2988, 6.8550, 7.9201



11.1574, 14.7114, 27.1592



0.1870, 0.2603, 0.4128

Previews

White Background



This preview shows how the XYZ color 16.5636, 12.2781, 5.9118 looks on a white background.

Color Contrast Check

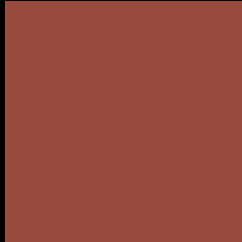
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5636, 12.2781, 5.9118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

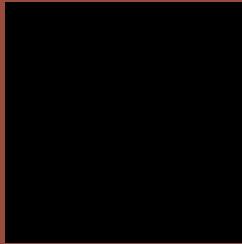
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5636, 12.2781, 5.9118

Background



This preview shows how black text looks on a background with the XYZ color 16.5636, 12.2781, 5.9118.



This preview shows how white text looks on a background with the XYZ color 16.5636, 12.2781,

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

16.5636, 12.2781, 5.9118

Protanopia

11.6307, 12.4917, 7.5925

Deuteranopia

12.5122, 12.3040, 5.7184



Tritanopia

17.1865, 12.3321, 8.8716

Trichromacy



Original Color

16.5636, 12.2781, 5.9118

Protanomaly

13.0664, 12.1725, 6.9710

Deuteranomaly

13.7133, 12.0377, 5.7384

Tritanomaly

17.0122, 12.3701, 7.6219

Monochromacy



Original Color

16.5636, 12.2781, 5.9118

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.5087, 11.5668, 9.9608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5636, 12.2781, 5.9118 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(153, 76, 61)` looks like.

```
.text, #text, p{  
    color:rgb(153, 76, 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(153, 76, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 76, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.5636, 12.2781, 5.9118 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(153, 76, 61) }
```


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

```
.border{ border-color:rgb(153, 76, 61) }
```

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

Here you see how a box with a 4 pixel rgb(153, 76, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 76, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 76, 61);  
box-shadow:4px 4px 4px 4px rgb(153, 76,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5636, 12.2781, 5.9118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 76, 61) }
```

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

```
.background{ background-color: rgb(153, 76,  
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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